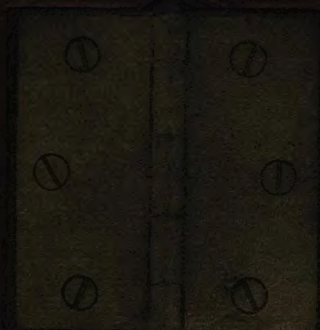


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C. HAGER & SONS

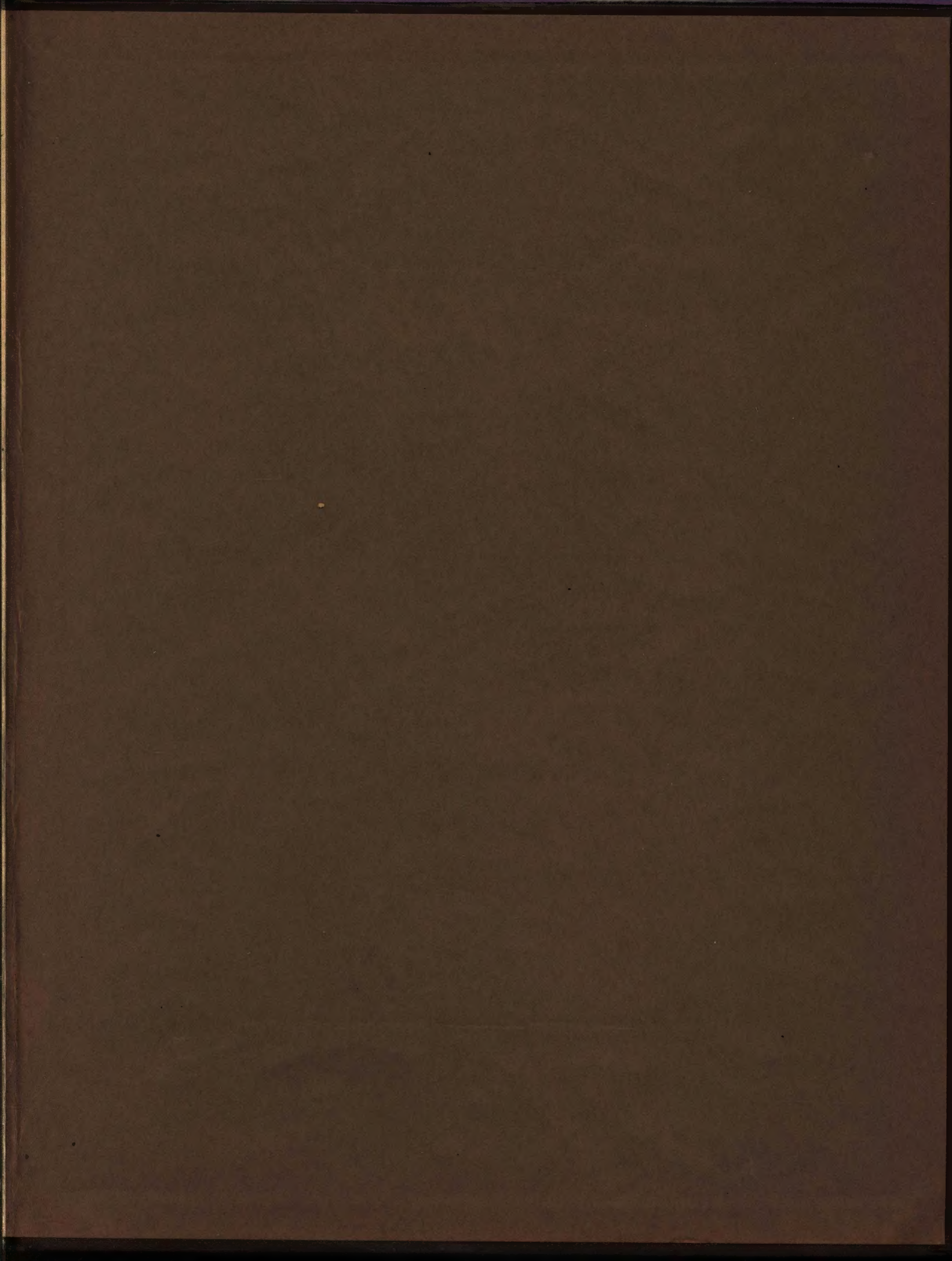
HINGE MANUFACTURING CO.

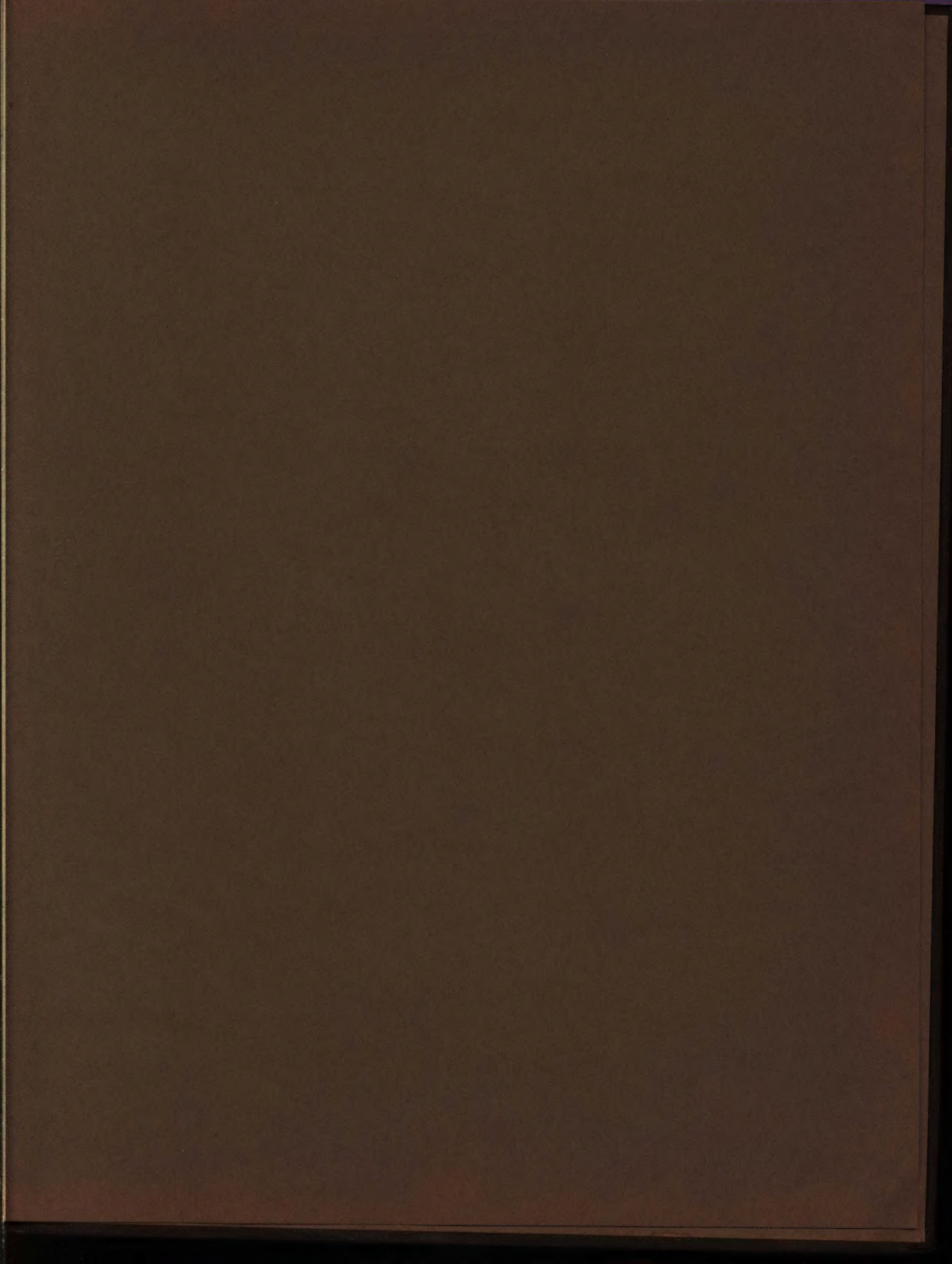
HAGER



ST. LOUIS, MO.

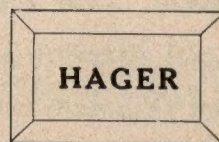
No. 10





CATALOGUE
OF
C. HAGER & SONS
Hinge Manufacturing Company

Established in 1857
Incorporated in 1890



TRADE MARK
A Guarantee of Quality

Manufacturers of
**WROUGHT BUTTS, HINGES,
WASHERS AND OTHER
WROUGHT HARDWARE**

OFFICE AND WORKS
2451 DEKALB STREET - - - - ST. LOUIS, MO.

TO THE TRADE



It is with pleasure that we present to you our Catalogue. We wish to call attention to the quality of our product. The tensile strength of the material we use in the making of Butts, Hinges and other Hardware is the highest obtainable. By using only the very best the market affords we are enabled to guarantee the quality of everything made in our factory. The high quality of our goods is such as is only obtained after many years of earnest endeavor. Our experienced men are always on the job. We give special attention to the immediate shipment of all orders, usually making shipment complete on the same day the order is received. Our factory and warehouse facilities are such that we take the very best care of your business. We solicit your trade and by dealing with us your business will receive careful attention, immediate shipments, lowest prices, and goods that are standard the world over. We guarantee fullest satisfaction in every instance, thus assuring permanent good will and kindly influence.

C. HAGER & SONS HINGE MFG. CO.

Established 1857
Incorporated 1890

**SPECIAL HINGES, BUTTS,
WASHERS AND CORNER
IRONS MADE TO ORDER**

*"We guarantee absolute satisfaction
in every instance."*



Tips and Pins for HAGER Butt Hinges



OVAL HEAD TIP



FLAT BUTTON TIP



BALL TIP



STEEPLE TIP

We illustrate above the different style Tips and Pins for Butt Hinges

Oval Head Pins are regularly furnished for reversible Butt Hinges.

Flat Button Tip Pins are regularly furnished on all Butt Hinges for painting. This style pin can be obtained on other Butt Hinges when so desired, but must be specified for in ordering.

Ball Tip Pins are standard pins for most Butt Hinges.

Steeple Tip Pins are well suited for use on Butt Hinges in all Wrought or Old Iron Finishes. This style pin can also be used on other style Butt Hinges and can be obtained in either Steel or Wrought Brass. In ordering this style pin, be sure to specify Steel or Brass Pins, and state if same finish is desired on both Butt Hinges and Pins.

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United States Government Type Numbers

with

Comparative HAGER Numbers

Listed in Federal Specifications FF-H-111 and FF-H-116

U. S. Type Number		HAGER Number	U. S. Type Number		HAGER Number
1019	Barrel Bolt	WS-1403-A	2015	Butt Hinge	1241-A
1019A	Barrel Bolt	WS-1403-G	2015 $\frac{1}{2}$	Butt Hinge	1241-A-BT
1019B	Barrel Bolt	WS-1403-J	2015B	Butt Hinge	1239-A
1022	Chain Bolt	1400-A	2015 $\frac{1}{2}$ B	Butt Hinge	1239-A-BT
1022A	Chain Bolt	1400-G	2017A	Butt Hinge (Steel Pin)	1589-A
1022B	Chain Bolt	1400-J	2017 $\frac{1}{2}$ A	Butt Hinge (Steel Pin)	1589-A-BT
1050	Foot Bolt	1401-A	2018	Butt Hinge	1289-A
1050A	Foot Bolt	1401-G	2018A	Butt Hinge	1289 $\frac{1}{2}$ -A
1050B	Foot Bolt	1401-J	2018 $\frac{1}{2}$	Butt Hinge	1289-A-BT
1051A	Cane Bolt	1408ZJ	2018 $\frac{1}{2}$ P	Butt Hinge	1289-Pt-BT
1068	Shelf Bracket	1796-A	2021	Butt Hinge (Steel Pin)	1595
1068A	Shelf Bracket	1796-G	2021A	Butt Hinge (Steel Pin)	1595 $\frac{1}{2}$
1068B	Shelf Bracket	1796-J	2022 $\frac{1}{2}$ P	Butt Hinge	1295-Pt-BT
1069	Door Button	1407-G	2028	Butt Hinge (Steel Pin)	1508-A
1201	Hook Sash Lift (Brass)	1486	2029A	Butt Hinge	1319
1201A	Hook Sash Lift (Steel)	1486-A	2029B	Butt Hinge	1291-A
A1223A	Screen Lift	1207-J	2029C	Butt Hinge	1291 $\frac{1}{2}$ -A
1401	Hinge Hasp	WS-1912	2029P	Butt Hinge	1291-Pt
1401A	Hinge Hasp	WS-1308	A2030	Butt Hinge	1850
1420	Safety Hinge Hasp	WS-1915	A2030A	Butt Hinge (Loose O H Pin)	1850
1420A	Safety Hinge Hasp	WS-1310	A2030B	Butt Hinge (Full Mortise)	1850
1821	"S" Blind Turnbuckle	2983	A2030C	Butt Hinge (Full Mortise With Loose O H Pin)	1850
1821A	"S" Blind Turnbuckle	2982	A2030D	Butt Hinge (With Brass Pin)	1850-G
1821B	"S" Blind Turnbuckle	2981	2031	Butt Hinge	WS-1804
1430	Padlock Eyes $2\frac{1}{8} \times 1\frac{1}{8}$	1931-G	2040	Butt Hinge	2243-A
2001	Butt Hinge	BB-1500	2041	Butt Hinge	BB-2243-A
2001 $\frac{1}{2}$	Butt Hinge	BB-1500-BT	2060	Butt Hinge (Hospital type)	BB-1509
2002	Butt Hinge	BB-1502	2061	Butt Hinge (Hospital type)	BB-1237-A
2002 $\frac{1}{2}$	Butt Hinge	BB-1502-BT	2061P	Butt Hinge (Hospital type)	BB-1237-Pt
2005	Butt Hinge	1500	2080	Butt Hinge	BB-1150
2005 $\frac{1}{2}$	Butt Hinge	1500-BT	2080B	Butt Hinge	BB-1173-A
2010	Butt Hinge	BB-1241-A	2080 $\frac{1}{2}$ P	Butt Hinge	BB-1173-Pt-BT
2010 $\frac{1}{2}$	Butt Hinge	BB-1241-A-BT	A2080	Butt Hinge (Extra Heavy)	BB-1173-A
2010B	Butt Hinge	BB-1239-A	2140	Garage Hinge (Reversed Pad)	BB-1992-G
2010 $\frac{1}{2}$ B	Butt Hinge	BB-1239-A-BT	2141A	Garage Hinge (Reversed Pad)	BB-1992-GJ
2010 $\frac{1}{2}$ P	Butt Hinge	BB-1235-Pt	2203	Strap Hinge	WS-1302 $\frac{1}{4}$
2011	Butt Hinge	BB-1250-A	2208	Tee Hinge	WS-1304 $\frac{1}{4}$
2011 $\frac{1}{2}$	Butt Hinge	BB-1250-A-BT	2209	Tee Hinge (Extra Heavy)	WS-1306 $\frac{1}{4}$
2011 $\frac{1}{2}$ P	Butt Hinge	BB-1250-Pt-BT	2212	Tee Hinge	WS-1363 $\frac{1}{2}$
2014 $\frac{1}{2}$ P	Butt Hinge	1235-Pt			

SYMBOLS OF FINISHES

Compared with the Symbols of the U. S. Bureau of Standards and other Manufacturers

U. S.	C. Hager & Sons	FINISHES	Y. & T. Mfg. Co.	R. & E.	P. & F. Corbin	Sargent
No. U.S.— 1—B	J	Japanned, bright.....	J	.....	J	.....
No. U.S.— 1—D	JD	Japanned, dead black.....	DJ	.....	D	J
No. U.S.— 2—H	G	Hot Galvanized.....	.....	.....	.....	.....
No. U.S.— 2—C	CP	Cadmium, Bright.....	CM	.....	.....	W
No. U.S.— 3	B	Brass, bright.....	AZ10	10	A	B
No. U.S.— 4	DB	Dull Brass.....	AY22	9	EA	OB
No. U.S.— 5	DBO	Dull Brass, slightly oxidized.....	AY21	9C	KA	OE
No. U.S.— 6	DBS	Sanded Brass, slightly oxidized.....	AX28	09C	SKA	RD
No. U.S.— 7	DBS	Sanded Brass, slightly oxidized relieved on raised surface.....	.....	09B	2A	R7D
No. U.S.— 8	OC	Antique Copper, mottled.....	CZ27	7½	R	AB
No. U.S.— 9	A	Bronze, plain bright.....	BZ10	11	B	P
No. U.S.—10	DA	Dull Bronze.....	BY22	11D	DB	OP
No. U.S.—11	DAO	Dull Bronze, slightly oxidized.....	BY21	11C	HB	06P
No. U.S.—12	DAS	Sanded Bronze, slightly oxidized.....	BX13	011C	SHB	RP
No. U.S.—13	DAS	Sanded Bronze, slightly oxidized and relieved.....	.....	.....	.....	R8P
No. U.S.—14	N	Nickel	NZ10	4	E	N
No. U.S.—15	DN	Dull Nickel.....	NY10	14	DE	LN
No. U.S.—16	NS	Nickel Sanded, slightly oxidized.....	NX10	.....	SE	RN
No. U.S.—17	NS	Nickel Sanded, slightly oxidized and relieved.....	.....	.....	.....	R7N
No. U.S.—18	GB	Bower Barff, genuine.....	FX80	46	F	BB
No. U.S.—19	K	Dead Black, Sanded electroplate.....	BX80-(Bze.) FX90-(Steel)	47	KF	BN
No. U.S.—20	AL	Statuary Bronze.....	BY25	2	KB	A
No. U.S.—21	ALS	Statuary Bronze, sanded.....	BX25	02	SKB	RA
No. U.S.—22	V	Verdi Antique.....	BX67	36	V	VA
No. U.S.—23	SD	Dull Silver.....	SY52	8C	KS	LS
	IR	Old Iron Finish.....	.....	16½	HPE	HF
No. U.S.—26	CHR	Bright Chromium.....	DZ10	24	CR	CM
No. U.S.—26D	CHRD	Dull Chromium.....	DY10	34	DCR	DCM
No. U.S.—P	Pt	Prime Coat for painting.....	.....	.....	.....	.....

Finishes of Goods Have Been Grouped Together as per the following classifications:

The same charge being made for every finish listed in each class.

CLASS No. 1	CLASS No. 2	CLASS No. 3	CLASS No. 4	CLASS No. 5
DB-Dull Brass	A-Bright Bronze		N-Nickel	
OC-Old Copper	B-Bright Brass	DBS-Sand Finish Brass	DN-Dull Nickel	GB-Bower Barff
JD-Japanned, Dead Black	DA-Dull Bronze	K-Dead Black	SN-Sanded Nickel	
CP-Cadmium, Bright	AL-Statuary Bronze		IR-Old Iron	
Pt-Prime Coat				

CORRECT SIZES OF BUTT HINGES

FOR

WOOD OR STEEL DOORS AND TRANSOMS

(Template and Non-Template Butts)

GENERAL

Door Sizes given are jamb opening dimensions.

Extra Heavy Butts should be specified on doors where high frequency service is expected. See table 1. Extra heavy butts are made in sizes 4 inches to 8 inches inclusive. Whenever in table 2, regular weight or template A butts are specified but when the door in question is of such a character as to come into the high frequency classification, then extra heavy or template B butts of the same length and width should be substituted.

Underwriters Requirements. Two butts should be used for doors measuring 5 feet or less in height. Doors of a greater height shall require one butt for each 2½ feet or fraction thereof in height.

Butt Sizes given refer to length of joint.

Template Letters refer to templates recommended as standard by the Advisory Committee on the Standardization of Hardware for Hollow Metal Doors.

Wrought Bronze Doors weigh about 50 per cent more than steel doors and require heavier butts.

Butt Hinges

Table 1

Number of Operations of one leaf of door, opening and closing=1 cycle

Type of Building and Door	Expected Frequency	
	Daily	Yearly
Large department store entrance.....	5,000	1,500,000
Large office building entrance.....	4,000	1,200,000
Theater entrance.....	*1,000	450,000
Schoolhouse entrance.....	1,250	225,000
Schoolhouse toilet door.....	1,250	225,000
Store or bank entrance.....	500	150,000
Office building toilet door.....	400	118,000
Schoolhouse corridor door.....	80	15,000
Office building corridor door.....	75	22,000
Store toilet door.....	60	18,000
Dwelling house entrance.....	40	15,000
Dwelling house toilet door.....	25	9,000
Dwelling house corridor door.....	10	3,600
Dwelling house closet door.....	6	2,200

High
Frequency

*Per Performance

Butt Hinges

Table 2

$\frac{3}{4}$ " and $\frac{7}{8}$ " Cupboard Doors of Wood

Width to 24"	Height to 60"	No. of Butts 2	Size of Butts $2\frac{1}{2}$ "	Weight of Non-Template Butts Reg.	Template Letter*
$\frac{7}{8}$" and $1\frac{1}{8}$" Screen Doors of Wood					
to 36"	to 60"	2	3"	Reg.	A
to 36"	Over 60" to 90"		3"	Reg.	A
$1\frac{1}{8}$" Doors of Wood					
to 36"	to 60"	2	$3\frac{1}{2}$ "	Reg.	A
to 36"	Over 60" to 90"	3	$3\frac{1}{2}$ "	Reg.	A
$1\frac{1}{8}$" Doors of Steel					
to 36"	to 60"	2	$4\frac{1}{2}$ "		A-2
to 36"	Over 60" to 90"	3	$4\frac{1}{2}$ "		A-2
$1\frac{1}{4}$" and $1\frac{3}{8}$" Doors of Wood					
to 32"	to 60"	2	$3\frac{1}{2}$ "	Reg.	A
to 32"	Over 60" to 90"	3	$3\frac{1}{2}$ "	Reg.	A
Over 32" to 37"	to 60"	2	4"	Reg.	A
Over 32" to 37"	Over 60" to 90"	3	4"	Reg.	A
$1\frac{1}{4}$" and $1\frac{3}{8}$" Doors of Steel					
to 32"	to 60"	2	$4\frac{1}{2}$ "		A-2
to 32"	Over 60" to 90"	3	$4\frac{1}{2}$ "		A-2
Over 32" to 37"	to 60"	2	5"		A-2
Over 32" to 37"	Over 60" to 90"	3	5"		A-2
$1\frac{3}{8}$", $1\frac{3}{4}$" and $1\frac{7}{8}$" Doors of Steel or Wood					
to 32"	to 60"	2	$4\frac{1}{2}$ "	Reg.	A
to 32"	Over 60" to 90"	3	$4\frac{1}{2}$ "	Reg.	A
to 32"	Over 90" to 120"	4	$4\frac{1}{2}$ "	Reg.	A
Over 32" to 37"	to 60"	2	5"	Reg.	A
Over 32" to 37"	Over 60" to 90"	3	5"	Reg.	A
Over 32" to 37"	Over 90" to 120"	4	5"	Reg.	A
Over 37" to 43"	to 60"	2	5"	Ex. Hvy.	B
Over 37" to 43"	Over 60" to 90"	3	5"	Ex. Hvy.	B
Over 43" to 50"	Over 60" to 90"	3	6"	Ex. Hvy.	B
Over 37" to 50"	Over 90" to 120"	4	6"	Ex. Hvy.	B
2", $2\frac{1}{4}$" and $2\frac{1}{2}$" Doors of Steel or Wood					
to 37"	to 60"	2	5"	Reg.	A
to 37"	Over 60" to 90"	3	5"	Reg.	A
to 37"	Over 90" to 120"	4	5"	Reg.	A
Over 37" to 43"	to 60"	2	5"	Ex. Hvy.	B
Over 37" to 43"	Over 60" to 90"	3	5"	Ex. Hvy.	B
Over 43" to 50"	to 60"	2	6"	Ex. Hvy.	B
Over 43" to 50"	Over 60" to 90"	3	6"	Ex. Hvy.	B
Over 37" to 50"	Over 90" to 120"	4	6"	Ex. Hvy.	B
$1\frac{1}{4}$" and $1\frac{3}{8}$" Transoms of Wood					
Over 48" to 72"	to 20"	2	$2\frac{1}{2}$ "	Reg.	A
to 72"	to 20"	3	$2\frac{1}{2}$ "	Reg.	A
to 48"	Over 20" to 36"	2	3"	Reg.	A
Over 48" to 72"	Over 20" to 36"	3	3"	Reg.	A
$1\frac{1}{4}$" Transoms of Steel					
to 48"	to 36"	2	3"		A
Over 48" to 72"	to 36"	3	3"		A
$1\frac{1}{2}$", $1\frac{3}{8}$", $1\frac{3}{4}$" and $1\frac{7}{8}$" Transoms, Steel or Wood					
to 48"	to 20"	2	3"	Reg.	A
Over 48" to 72"	to 20"	3	3"	Reg.	A
to 48"	Over 20" to 36"	2	$3\frac{1}{2}$ "	Reg.	A
Over 48" to 72"	Over 20" to 36"	3	$3\frac{1}{2}$ "	Reg.	A
2", $2\frac{1}{4}$" and $2\frac{1}{2}$" Transoms, Steel or Wood					
to 48"	to 20"	2	$3\frac{1}{2}$ "	Reg.	A
Over 48" to 84"	to 20"	3	$3\frac{1}{2}$ "	Reg.	A
to 48"	Over 20" to 36"	2	4"	Reg.	A
Over 48" to 84"	Over 20" to 36"	3	4"	Reg.	A

*A designates regular weight butts.

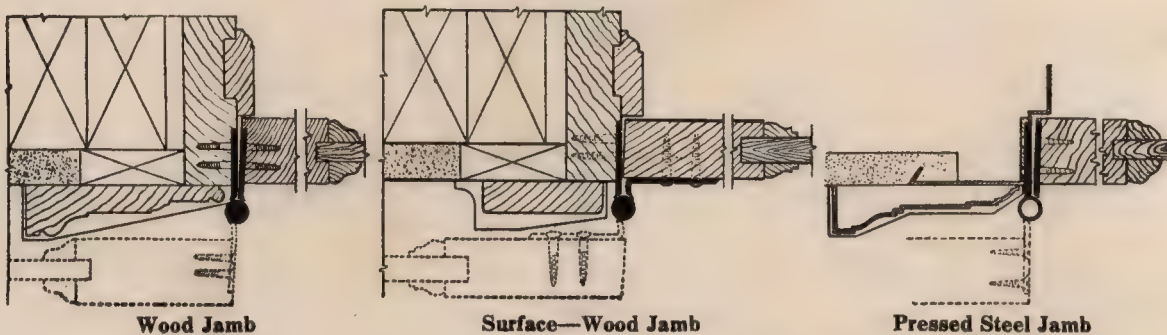
B designates extra heavy butts.

A-2 designates regular weight butts of narrow widths.

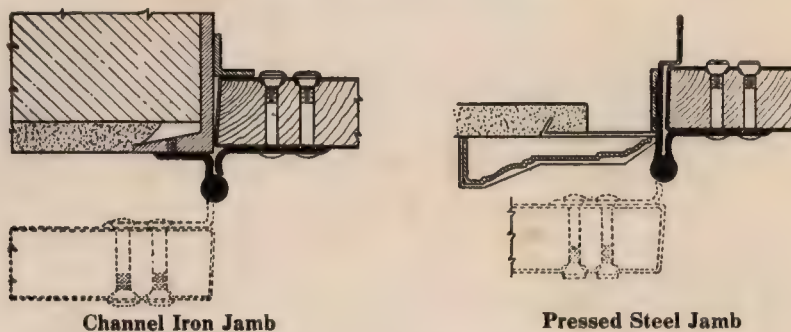
B-2 designates extra heavy butts of narrow widths.

APPLICATIONS OF BUTT HINGES

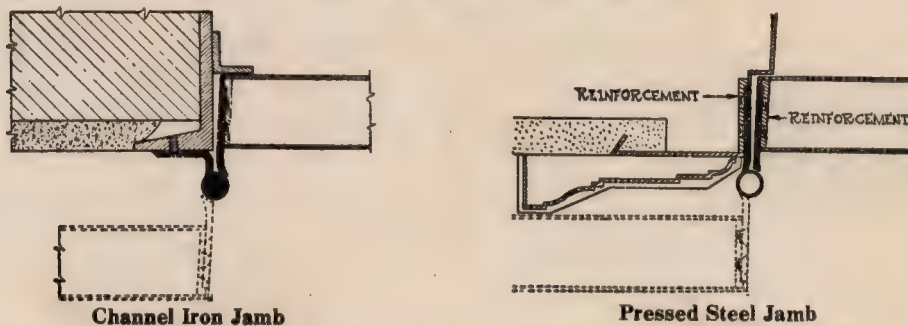
WOOD DOORS



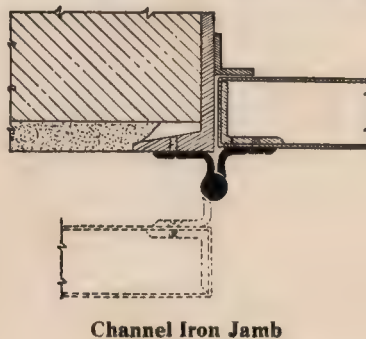
KALAMEIN DOORS



HOLLOW METAL DOORS



ANGLE IRON STEEL DOORS



Ball Bearing Butt Hinges

Extra Heavy



Non-Rising Pins—Five Knuckles—Ball Tips or
Button Tips—Four Ball Bearings—Loose—
Not Fastened—Easily Renewed.

Wrought Steel

*Highly Polished and Heavy Coat of
Copper Plate before Final Finish.*

No. BB-1250—Non-Template

No. BB-1168—Template

Prime Coat for Painting

No. BB-1251—Non-Template

No. BB-1118—Template

Wrought Brass or Bronze

Highly Polished

No. BB-1502—Non-Template

No. BB-1199—Template

For Heavy Doors and on doors often used, such as Entrance Doors.
Each Butt is equipped with four Ball Bearings. Leaves are beveled at joint, outer edges square.

Non-Template Butts used on Wood Doors with Wood Jambs.

Template Butts used on Metal Doors or Wood Doors with Steel Jambs.

Non-Template Butts are Packed with Wood Screws.

Template Butts are packed with all machine screws for Metal Doors with Steel Jambs.

Template Butts are packed with $\frac{1}{2}$ machine screws and $\frac{1}{2}$ wood screws for Wood Doors with Steel Jambs.

All Template Butts are Packed with All Machine Screws Unless Otherwise Specified.

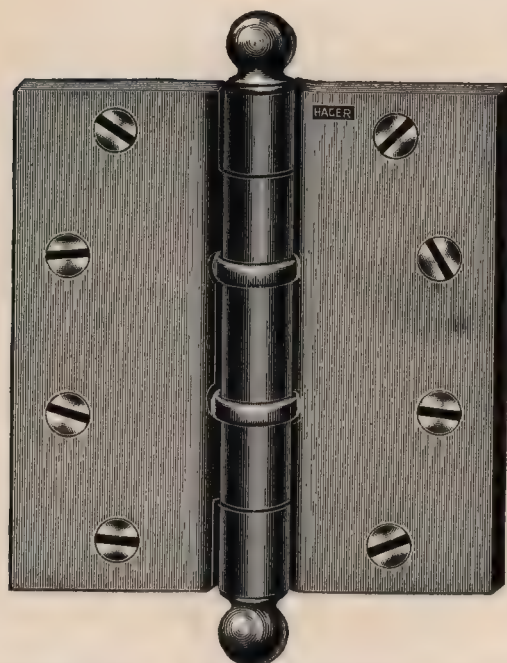
Packed One Pair in a Box with Screws.

Size Open (Inches).....	4x4	4½x4½	5x5	6x6	8x6	8x8
Screw Holes	8	8	10	10	16	16
Size of Screws.....	1¼x12	1¼x12	1½x12	1½x14	1½x14	1½x14
Size of Machine Screws.....	½x12-24	½x12-24	½x12-24	½x1¼-20	½x1¼-20	½x1¼-20
Gauge of Metal.....	.170	.180	.190	.203	.203	.203
Weight Approximated Per Pair, Pounds.....	2½	3	3¾	6¼	8	9½

USE THREE BUTTS TO A DOOR.

Ball Bearing Butt Hinges

Standard



Non-Rising Pins—5 Knuckles—Ball Tips or Button
Tips—Two Ball Bearings—Loose—
Not Fastened—Easily Renewed.

Wrought Steel

*Highly Polished and Heavy Coat of
Copper Plate before Final Finish.*

No. BB-1239—Non-Template

No. BB-1174—Template

Wrought Brass or Bronze

Highly Polished

No. BB-1500—Non-Template

No. BB-1193—Template

For use on regular weight doors. This Butt is used where the finest and highest grade of hardware is wanted. Leaves are beveled at joint, outer edges are square. Each Butt has two Ball Bearings.

Non-Template Butts used on Wood Doors with Wood Jambs.

Template Butts used on Metal Doors or Wood Doors with Steel Jambs.

Non-Template Butts are packed with Wood Screws.

Template Butts are packed with all machine screws for Metal Doors with Steel Jambs.

Template Butts are packed with $\frac{1}{2}$ machine screws and $\frac{1}{2}$ wood screws for Wood Doors with Steel Jambs.

All Template Butts are packed with all machine screws unless otherwise specified.

Packed One Pair in a Box with Screws

Size Open, Inches.....	3x3	3 $\frac{1}{2}$ x3 $\frac{1}{2}$	4x4	4 $\frac{1}{2}$ x4 $\frac{1}{2}$	5x5	6x6
Screw Holes.....	6	6	8	8	8	10
Size of Screws.....	$\frac{3}{4}$ x8	1x10	1x12	1 $\frac{1}{4}$ x12	1 $\frac{1}{4}$ x12	1 $\frac{1}{2}$ x14
Size of Machine Screws.....	$\frac{1}{2}$ x10-24	$\frac{1}{2}$ x10-24	$\frac{1}{2}$ x12-24	$\frac{1}{2}$ x12-24	$\frac{1}{2}$ x12-24	$\frac{1}{2}$ x $\frac{1}{4}$ -20
Gauge of Metal.....	.092	.123	.130	.134	.146	.160
Weight Approximated Per 100 Pair, Pounds, Bronze	100	145	195	255	335	515
Weight Approximated Per 100 Pair, Pounds, Steel	80	135	180	225	305	470

USE THREE BUTTS TO A DOOR

Ball Bearing Butt Hinges

Standard

Wrought Steel

Highly Polished

No. BB-1241 $\frac{1}{2}$ —Non-Template

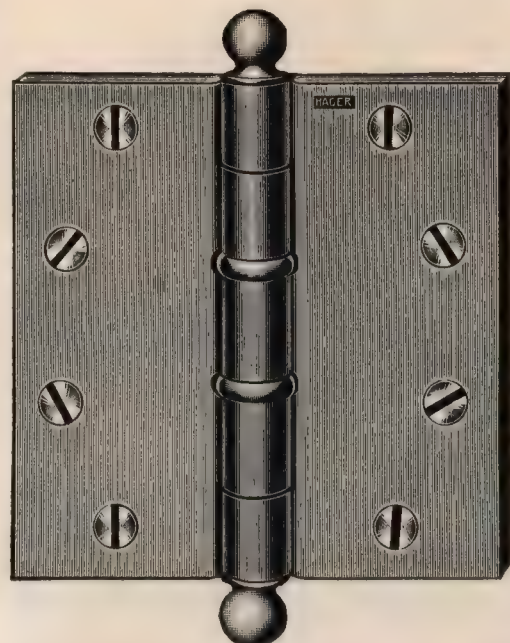
No. BB-1279 $\frac{1}{2}$ —Template

For regular weight doors. All sizes are equipped with two Ball Bearings.

Non-Template Butts used on Wood Doors with Wood Jambs.

Template Butts used on Metal Doors or Wood Doors with Steel Jambs.

Non-Template Butts are packed with all Wood Screws.



Highly Polished—Non-Rising Pins—Five Knuckles—
Ball Tips or Button Tips—Two Ball Bearings—
Loose—Easily Renewed—Not Fastened.

Template Butts are Packed with all machine screws for Metal Doors with Steel Jambs.

Template Butts are packed with $\frac{1}{2}$ machine screws and $\frac{1}{2}$ wood screws for Wood Doors with Steel Jambs.

All Template Butts are Packed with All Machine Screws Unless Otherwise Specified.

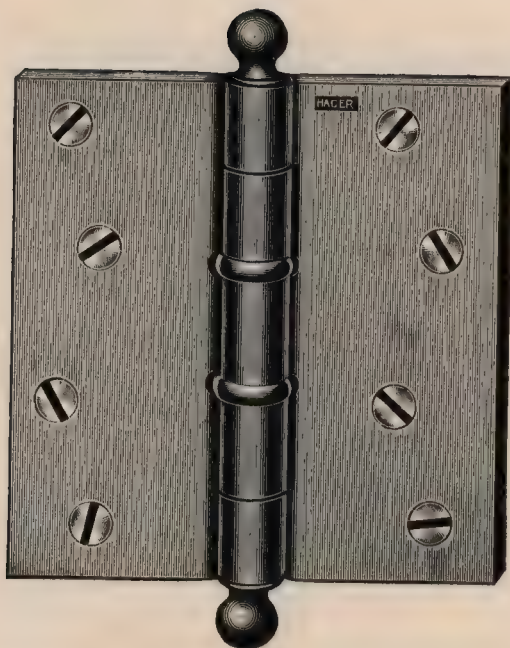
Packed One in a Box with Screws.

Size Open (Inches).....	3x3	3 $\frac{1}{2}$ x3 $\frac{1}{2}$	4x4	4 $\frac{1}{2}$ x4 $\frac{1}{2}$	5x5	6x6
Screw Holes	6	6	8	8	8	10
Size of Screws, Non-Template.....	$\frac{3}{4}$ x10	1x10	1x12	1 $\frac{1}{4}$ x12	1 $\frac{1}{4}$ x12	1 $\frac{1}{2}$ x14
Size of Screws, Template.....	1x8	1x9	1x12	1 $\frac{1}{4}$ x12	1 $\frac{1}{4}$ x12	1 $\frac{1}{2}$ x14
Size of Machine Screws.....	$\frac{1}{2}$ x10-24	$\frac{1}{2}$ x10-24	$\frac{1}{2}$ x12-24	$\frac{1}{2}$ x12-24	$\frac{1}{2}$ x12-24	$\frac{1}{2}$ x $\frac{1}{4}$ -20
Gauge of Metal.....	.092	.123	.130	.134	.146	.160
Weight Approximated Per 100 Pair, Pounds.....	85	135	180	225	300	470
Pairs in Full Carton.....	100	50	50	20	25	...

USE THREE BUTTS TO A DOOR.

Ball Bearing Butt Hinges

Standard



Planished—Non-Rising Pin—Five Knuckles—Ball
Tips or Button Tips—Two Ball Bearings—Loose—
Easily Renewed—Not Fastened.

Wrought Steel

Plated

No. BB-1241—Non-Template

No. BB-1279—Template

Prime Coat for Painting

No. BB-1235—Non-Template

No. BB-1146—Template

For Regular weight doors. All sizes are equipped with two Ball Bearings.

Non-Template Butts are used on Wood Doors with Wood Jambs.

Template Butts are used on Metal Doors or Wood Doors with Steel Jambs.

Non-Template Butts are Packed with Wood Screws.

Template Butts are packed with all machine screws for Metal Doors with Steel Jambs.

Template Butts are packed with $\frac{1}{2}$ machine screws and $\frac{1}{2}$ wood screws for Wood Doors with Steel Jambs.

All Template Butts are Packed with All Machine Screws Unless Otherwise Specified.

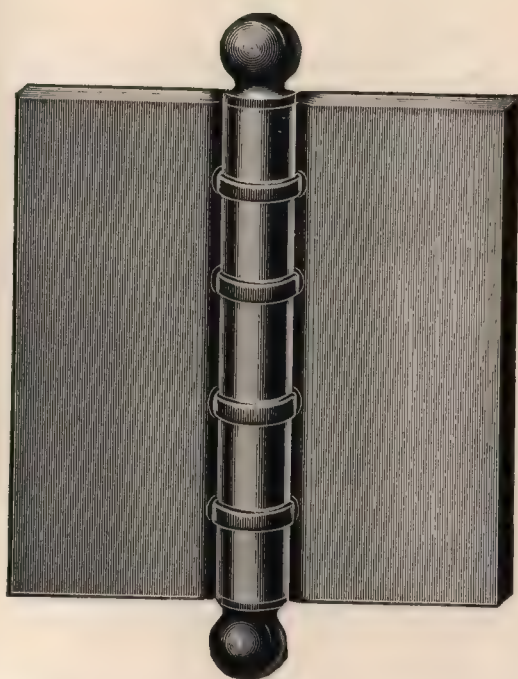
Packed One Pair in a Box with Screws.

Size Open (Inches).....	3x3	3½x3½	4x4	4½x4½	5x5	6x6
Size Template	1x8	1x9	1x10	1¼x12	1¼x12	1½x14
Size Non-Template	¾x10	1x10	1x12	1¼x12	1¼x12	1½x14
Screw Holes	6	6	8	8	10	10
Size of Machine Screw.....	½x10-24	½x10-24	½x12-24	½x12-24	½x12-24	½x¼-20
Gauge of Metal.....	.092	.123	.130	.134	.146	.160
Weight Approximated Per 100 Pair, Pounds.....	85	135	180	225	300	475
Pair in a Full Carton.....	100	50	50	20	25	...

USE THREE BUTTS TO A DOOR.

Ball Bearing Butt Hinge

Extra Heavy Blank



Wrought Steel - Bright

Without Screw Holes

No. BB-1851—Bright Steel

For Heavy Iron Doors. Made of Bright Cold Rolled Steel. Leaves are beveled at joint, outer edges are square. Each Butt is equipped with four Ball Bearings.

Non-Rising Loose Pin—Five Knuckles—Ball Tip or
Button Tip—Four Ball Bearings—Loose—
Easily Renewed—Not Fastened.

Size Open (Inches).....	6x4	6x5	6x6	6x8	8x6	8x8
Gauge of Metal.....	.203	.203	.203	.203	.203	.203
Weight Approximated Per Pair, Pounds....	4¾	5½	6	7¼	7½	9½

USE THREE BUTTS TO A DOOR.

Ball Bearing Butt Hinges

Extra Heavy
For Hospital Doors



Rounded Barrel Ends—Non-Removable Pins—
Four Ball Bearings.

Wrought Steel

*Highly Polished and Heavy Coat of
Copper Plate before Final Finish.*

No. BB-2250—Non-Template

No. BB-2168—Template

Prime Coat for Painting

No. BB-2251—Non-Template

No. BB-2118—Template

Wrought Brass or Bronze

Highly Polished

No. BB-2181—Non-Template

No. BB-2199—Template

For Heavy Hospital Doors and Doors often used such as entrance Doors. This Butt is used where the finest and highest grade of hardware is wanted. Leaves are beveled at joint, outer edges are square. Each Butt is equipped with four Ball Bearings.

Non-Template Butts used on Wood Doors with Wood Jambs.

Template Butts used on Metal Doors or Wood Doors with Steel Jambs.

Non-Template Butts are Packed with Wood Screws.

Template Butts are packed with all machine screws for Metal Doors with Steel Jambs.

Template Butts are packed with $\frac{1}{2}$ machine screws and $\frac{1}{2}$ wood screws for Wood Doors with Steel Jambs.

All Template Butts are Packed with All Machine Screws Unless Otherwise Specified.

Packed One Pair in a Box with Screws.

Size Open (Inches).....	4x4	4½x4½	5x5	6x6
Screw Holes	8	8	8	10
Size of Screws.....	1 12	1¼ 12	1¼ 12	1½ 14
Size of Machine Screws.....	½x12-24	½x12-24	½x12-24	½x¼-20
Gauge of Metal.....	.170	.180	.190	.203
Weight Approximated Per Pair, Pounds.....	2¼	2¾	3½	5½

USE THREE BUTTS TO A DOOR.

Ball Bearing Butt Hinges

Standard

For Hospital Doors



Rounded Barrel Ends—Non-Removable Pins—
Two Ball Bearings.

Wrought Steel

*Highly Polished and Heavy Coat of
Copper Plate before Final Finish.*

No. BB-2239—Non-Template

No. BB-1197—Template

Prime Coat for Painting

No. BB-2235—Non-Template

No. BB-2145—Template

Wrought Brass or Bronze

Highly Polished

No. BB-1509—Non-Template

No. BB-2293—Template

For use on regular weight Hospital Doors. This Butt is used where the finest and highest grade of hardware is wanted. Leaves are beveled at joint, outer edges are square. Each Butt is equipped with two Ball Bearings.

Non-Template Butts used on Wood Doors with Wood Jambs.

Template Butts used on Metal Doors or Wood Doors with Steel Jambs.

Non-Template Butts are Packed with Wood Screws.

Template Butts are packed with all machine screws for Metal Doors with Steel Jambs.

Template Butts are packed with $\frac{1}{2}$ machine screws and $\frac{1}{2}$ wood screws for Wood Doors with Steel Jambs.

All Template Butts are Packed with All Machine Screws Unless Otherwise Specified.

Packed One Pair in a Box with Screws.

Size Open (Inches).....	3x3	3½x3½	4x4	4½x4½	5x5
Screw Holes	6	6	8	8	8
Size of Screws.....	¾ 8	1 10	1 12	1¼ 12	1¼ 12
Size of Machine Screws.....	½x10-24	½x10-24	½x12-24	½x12-24	½x12-24
Gauge of Metal.....	.092	.123	.130	.134	.146
Weight Approximated Per 100 Pair, Bronze, Pounds..	75	135	190	250	315
Weight Approximated Per 100 Pair, Steel, Pounds..	70	120	170	200	270

USE THREE BUTTS TO A DOOR.

Ball Bearing Half Surface Butt Hinges

Extra Heavy For Hospitals

For Kalamein Doors with Steel Jambs



Rounded Barrel Ends—Non-Removable Pins—
Four Ball Bearings.

Wrought Steel

*Highly Polished and Heavy Coat of
Copper Plate before Final Finish.*

No. BB-2163—Template

Prime Coat for Painting

No. BB-2123—Template

Wrought Bronze or Brass

Highly Polished

No. BB-3113—Template

**For use on Heavy Hospital Doors often used. Each Butt is equipped
with four Ball Bearings. The Leaves are beveled at the joint.**

***Packed One in a Box with Oval Head Machine Screws with Grommet Nuts
for the Surface Leaf and Flat Head Machine Screws for the Jamb Leaf.***

Size (Inches).....	4½	5	5
FH Machine Screws for Jamb Leaf.....	4-½x12-24	4-½x12-24	5-½x14-20
OH Machine Screws Grommet Nuts for Door Leaf.	3-2¼x1¼-20	4-2¼x1¼-20	5-2½x1¼-20
Gauge of Metal.....	.180	.190	.203
Weight Approximated Per Pair, Bronze, Pounds...	3½	4½	5
Weight Approximated Per Pair, Steel, Pounds.....	3¼	4	4¾

USE THREE BUTTS TO A DOOR.

Ball Bearing Half Surface Butt Hinges

Standard

For Hospitals - For Kalamein Doors of Medium Weight



Rounded Barrel Ends—Non-Removable Pins—
Two Ball Bearings.

Wrought Steel

*Highly Polished and Heavy Coat of
Copper Plate before Final Finish.*

No. BB-2162—Non-Template

No. BB-2172—Template

Prime Coat for Painting

No. BB-2126—Non-Template

No. BB-2132—Template

Wrought Brass or Bronze

Highly Polished

No. BB-3116—Non-Template

No. BB-4112—Template

For use on regular weight Hospital Doors. This Butt is used where the finest and highest grade of hardware is wanted. Each Butt is equipped with two Ball Bearings, leaves are beveled at joint.

Non-Template Butts used on Wood Doors with Wood Jambs.

Template Butts used on Metal Doors or Wood Doors with Steel Jambs.

Non-Template Butts are Packed with Wood Screws.

Template Butts are packed with all machine screws for Metal Doors with Steel Jambs.

Template Butts are packed with $\frac{1}{2}$ machine screws and $\frac{1}{2}$ wood screws for Wood Doors with Steel Jambs.

All Template Butts are Packed with All Machine Screws Unless Otherwise Specified.

Packed One Pair in a Box with Screws.

Size (Inches).....	3	3½	4	4½	5
FH Machine Screws for Jamb Leaf, Tem.....	3-½x10-24	3-½x10-24	4-½x12-24	4-½x12-24	4-½x12-24
FH Machine Screws for Jamb Leaf, N. Tem.....	3-¾x8	3-1x9	4-1x10	4-1¼x10	5-1¼x12
OH Machine Screws with Grommet Nuts for Door Leaf	3-1½x10-24	3-1¾x10-24	3-2x¼-20	3-2x¼-20	4-2x¼-20
Gauge of Metal.....	.092	.123	.130	.134	.146
Weight Approximated Per 100 Pair, Bronze, Pounds	95	155	205	255	355
Weight Approximated Per 100 Pair, Steel, Pounds.	85	145	190	240	330

USE THREE BUTTS TO A DOOR.

Ball Bearing Half Surface Butt Hinges

Extra Heavy
For Hospital Doors



Rounded Barrel Ends—Non-Removable Pins—
Four Ball Bearings.

Wrought Steel

*Highly Polished and Heavy Coat of
Copper Plate before Final Finish.*

No. BB-2138—Template

Prime Coat for Painting

No. BB-3114—Template

Wrought Brass or Bronze

Highly Polished

No. BB-3198—Template

For Heavy Doors and Doors often used. Leaves are
beveled at joint. For Metal Doors with Steel Jambs.

Packed One Pair in a Box with Screws.

Size (Inches).....	4½	5	6
OH Machine Screws for Jamb Leaf.....	3-½x12-24	4-½x12-24	4-½x1¼-20
FH Machine Screws for Door Jamb.....	4-½x12-24	4-½x12-24	5-½x1¼-20
Gauge of Metal.....	.180	.190	.203
Weight Approximated Per Pair, Pounds.....	3	3¾	5½

USE THREE BUTTS TO A DOOR.

Ball Bearing Half Surface Butt Hinges

Standard



Rounded Barrel Ends—Non-Removable Pins—
Two Ball Bearings.

Wrought Steel

*Highly Polished and Heavy Coat of
Copper Plate before Final Finish.*

No. BB-3167½—Template

Prime Coat for Painting

No. BB-3128—Template

Wrought Brass or Bronze

Highly Polished

No. BB-3108—Template

For use on Regular Weight Hospital Doors
with Steel Jambs. Leaves are beveled at joint.

Packed One Pair in a Box with Screws.

Size (Inches).....	4½	5
OH Machine Screws for Jamb Leaf.....	3-½x12-24	4-½x12-24
FH Machine Screws for Door Leaf.....	4-½x12-24	4-½x12-24
Gauge of Metal.....	.134	.146
Weight Approximated Per Pair, Pounds.....	2	2¼

USE THREE BUTTS TO A DOOR.

Ball Bearing Half Surface Butt Hinges

Extra Heavy Template

For Kalamein Doors with Steel Jamb



Non-Rising Loose Pin—Five Knuckles—Ball Tip or
Button Tip—Four Ball Bearings—Loose—
Easily Renewed—Not Fastened.

Wrought Steel

*Highly Polished and Heavy Coat of
Copper Plate before Final Finish.*

No. BB-1163—Template

Prime Coat for Painting

No. BB-1123—Template

Wrought Brass or Bronze

Highly Polished

No. BB-2113—Template

For Kalamein Doors with Steel Jamb. For Heavy Doors and Doors often used.
Each Butt is equipped with four Ball Bearings. Leaves are beveled at joint.

*Packed One in a Box with Oval Head Machine Screws with Grommet Nuts
for the Surface Leaf and Flat Head Machine Screws for the Jamb Leaf.*

Size (Inches).....	4½	5	6
FH Machine Screws.....	4-½x12-24	4-½x12-24	5-½x1¼-20
OH Machine Screws.....	3-2¼x1¼-20	4-2¼x1¼-20	5-2½x1¼-20
Gauge of Metal.....	.180	.190	.203
Weight Approximated Per Pair, Bronze, Pounds.	4	5	5¾
Weight Approximated Per Pair, Steel, Pounds...	3¾	4½	5¼

USE THREE BUTTS TO A DOOR.

Ball Bearing Half Surface Butt Hinges

Standard

For Kalamein Doors of Medium Weight



Non-Rising Loose Pin—Five Knuckles—Ball Tip or
Button Tip—Two Ball Bearings—Loose—
Easily Renewed—Not Fastened.

Wrought Steel

*Highly Polished and Heavy Coat of
Copper Plate before Final Finish.*

LEAVES BEVELED AT JOINT.

No. BB-1162—Non-Template

No. BB-1172—Template

Highly Polished

No. BB-1150 $\frac{1}{2}$ —Non-Template

No. BB-1173 $\frac{1}{2}$ —Template

Planished

No. BB-1150—Non-Template

No. BB-1173—Template

Prime Coat for Painting

No. BB-2125—Non-Template

No. BB-1133—Template

Wrought Brass or Bronze

Highly Polished

No. BB-2116—Non-Template

No. BB-2112—Template

Specify Template Butts on Kalamein Doors with Steel Jambs.

Packed One Pair in a Box with Screws.

Size (Inches).....	3	3 $\frac{1}{2}$	4	4 $\frac{1}{2}$	5
Screws Flat Head for Jamb, Template.....	3- $\frac{1}{2}$ x10-24	3- $\frac{1}{2}$ x10-24	4- $\frac{1}{2}$ x12-24	4- $\frac{1}{2}$ x12-24	4- $\frac{1}{2}$ x12-24
Screws Flat Head for Jamb, Non-Template.....	3- $\frac{3}{4}$ x8	3-1x9	4-1x10	4-1 $\frac{1}{4}$ x10	5-1 $\frac{1}{4}$ x12
Oval Head Machine Screws Grommet Nut, Door Leaf	3-1 $\frac{1}{2}$ x10-24	3-1 $\frac{3}{4}$ x10-24	3-2x $\frac{1}{4}$ -20	3-2x $\frac{1}{4}$ -20	3-2x $\frac{1}{4}$ -20
Gauge of Metal.....	.092	.123	.130	.134	.146
Weight Approximated Per 100 Pair, Bronze, Pounds	100	165	215	280	375
Weight Approximated Per 100 Pair, Steel, Pounds..	90	155	200	260	350
Pair in Full Carton.....	100	50	50	...	...

USE THREE BUTTS TO A DOOR.

Ball Bearing Half Surface Butt Hinges

Extra Heavy



Non-Rising Pins—Five Knuckles—Ball Tips or
Button Tips—Four Ball Bearings—Loose—
Easily Renewed—Not Fastened.

Wrought Steel

*Highly Polished and Heavy Coat of
Copper Plate before Final Finish.*

No. BB-1138—Template

Prime Coat for Painting

No. BB-2114—Template

Wrought Brass or Bronze

Highly Polished

No. BB-2098—Template

For use on Heavy Doors and Doors often used. Leaves are
beveled at joint. For Metal Doors with Steel Jambs.

Packed One Pair in a Box with Screws.

Size (Inches).....	4½	5	6
OH Machine Screws for Jamb Leaf.....	3-½x12-24	4-½x12-24	4-½x12-24
FH Machine Screws for Door Leaf....	4-½x12-24	4-½x12-24	5-½x¼-20
Gauge of Metal.....	.180	.190	.203
Weight Approximated Per Pair, Pounds.	3	3¾	5½

USE THREE BUTTS TO A DOOR.

Ball Bearing Half Surface Butt Hinge

Standard



Non-Rising Pins—Five Knuckles—Ball Tips or
Button Tips—Two Ball Bearings—Loose—
Easily Renewed—Not Fastened.

Wrought Steel

*Highly Polished and Heavy Coat of
Copper Plate before Final Finish.*

No. BB-1167 $\frac{1}{2}$ —Template

Prime Coat for Painting

No. BB-1128—Template

Wrought Brass or Bronze

Highly Polished

No. BB-1108—Template

For use on Regular Weight Metal Doors with
Steel Jamb. Leaves are beveled at joint.

Packed One Pair in a Box with Screws.

Size (Inches).....	4 $\frac{1}{2}$	5
OH Machine Screws for Jamb Leaf.....	3- $\frac{1}{2}$ x12-24	4- $\frac{1}{2}$ x12-24
FH Machine Screws for Door Leaf.....	4- $\frac{1}{2}$ x12-24	4- $\frac{1}{2}$ x12-24
Gauge of Metal.....	.134	.146
Weight Approximated Per Pair, Pounds....	2 $\frac{1}{4}$	2 $\frac{1}{2}$

USE THREE BUTTS TO A DOOR.

Ball Bearing Full Surface Butt Hinges

Extra Heavy



Non-Rising Pins—Five Knuckles—Ball Tips or
Button Tips—Four Ball Bearings—Loose—
Easily Renewed—Not Fastened.

Wrought Steel

*Highly Polished and Heavy Coat of
Copper Plate before Final Finish.*

No. BB-2169—Template

Prime Coat for Painting

No. BB-2129—Template

Wrought Brass or Bronze

Highly Polished

No. BB-2109—Template

**For Heavy Doors and Doors often used. Leaves are beveled at joint.
For use on Kalamein Doors with Channel Iron Jambs.**

Packed One Pair in a Box with Screws.

Size (Inches).....	4½	5	6
OH Machine Screws for Jamb Leaf.....	3-½x12-24	4-½x12-24	4-½x1¼-20
OH Machine Screws for Door Leaf, Grommet Nuts.	3-2¼x1¼-20	4-2¼x1¼-20	5-2¼x1¼-20
Gauge of Metal.....	.180	.190	.203
Weight Approximated Per Pair, Pounds.....	4	5	5½

USE THREE BUTTS TO A DOOR.

Ball Bearing Full Surface Butt Hinges

Standard



Non-Rising Pins—Five Knuckles—Ball Tips or
Button Tips—Two Ball Bearings—Loose—
Easily Renewed—Not Fastened.

Wrought Steel

Highly Polished

No. BB-2170—Template

Planished

No. BB-2171—Template

Prime Coat for Painting

No. BB-2131—Template

Wrought Brass or Bronze

Highly Polished

No. BB-2110—Template

For use on Regular Weight Standard Kalamein Doors with Channel Iron Jambs.

Nos. BB-2170 and BB-2110 have the leaves beveled at joint.

Packed One Pair in a Box with Screws.

Size (Inches).....	4½	5
OH Machine Screws for Jamb Leaf.....	3-½x12-24	4-½x12-24
OH Machine Screws for Door Leaf.....	3-2x¼-20	4-2x¼-20
Gauge of Metal.....	.134	.146
Weight Approximated Per Pair, Pounds.....	2¾	4

USE THREE BUTTS TO A DOOR.

Ball Bearing Full Surface Butt Hinges

Extra Heavy

For Hospital Kalamein Doors With Channel Iron Jambs



Rounded Barrel Ends—Non-Removable Pins—
Four Ball Bearings.

Wrought Steel

*Highly Polished and Heavy Coat of
Copper Plate before Final Finish.*

No. BB-3169—Template

Prime Coat for Painting

No. BB-3129—Template

Wrought Brass or Bronze

Highly Polished

No. BB-3109—Template

Packed One Pair in a Box with Screws.

Size (Inches).....	4½	5	6
OH Machine Screws for Jamb Leaf.....	3-½x12-24	4-½x12-24	4-½x¼-20
OH Machine Screws for Door Leaf, with Grommet Nuts....	3-2¼x¼-20	4-2¼x¼-20	5-2½x¼-20
Gauge of Metal.....	.180	.190	.203
Weight Approximated Per Pair, Pounds.....	3¼	4	4½

USE THREE BUTTS TO A DOOR.

Ball Bearing Full Surface Butt Hinges

Standard

For Hospital Kalamein Doors With Channel Iron Jambs



Wrought Steel

Highly Polished

No. BB-170—Template

Prime Coat for Painting

No. BB-134—Template

Wrought Brass or Bronze

Highly Polished

No. BB-110—Template

Rounded Barrel Ends—Non-Removable Pins—
Two Ball Bearings.

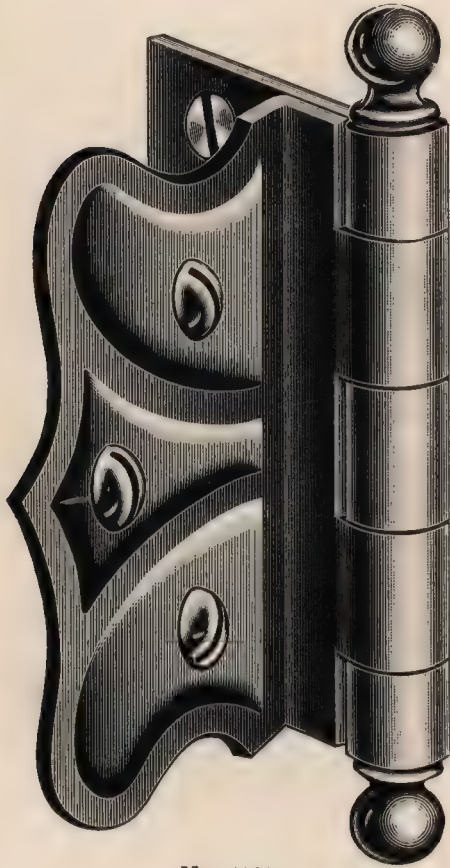
For use on Regular Weight Kalamein Doors with Channel Iron Jambs. Leaves are beveled along joint. No. BB-170 has a heavy coat of copper plate before final finish.

Packed One Pair in a Box with Screws.

Size (Inches).....	4½	5
OH Machine Screws for Jamb Leaf.....	3-½x12-24	4-½x12-24
OH Machine Screws for Door Leaf with Grommet Nuts...	3-2x¼-20	4-2x¼-20
Gauge of Metal.....	.134	.146
Weight Approximated Per Pair, Pounds.....	2¾	4

USE THREE BUTTS TO A DOOR.

Half Surface Butt Hinges - Standard



No. 1100
Five Knuckles—Loose Ball Pins

No. 1100 Plated Wrought Steel

By unscrewing Ball Plug on Nos. 1100 and 1125, Butts can be used for either Right or Left Hand Doors. For use on Wood Doors.

No. 1125 Plated Wrought Steel



No. 1125
Five Knuckles—Loose Ball Pins

*Packing, etc., of No. 1100 and No. 1125 Mortise Leaf with
FH Wood Screws, Surface Leaf Oval Head Wood Screws.*

Size In Length of Joint	2	2½	3	3½	4	4½	5
Screw Holes	5	5	6	6	6	8	9
Size of Screws.....	¾x7	¾x7	¾x8	1x9	1x10	1¼x10	1¼x10
Gauge of Metal.....	.065	.089	.092	.123	.130	.134	.146
Weight Approximated Per 100 Pair, Pounds.....	30	50	95	160	205	260	370
Pairs in Full Carton.....	150	120	50	50	25	25	...

Sizes 2 and 2½ packed Three Pair in a Box.

Larger sizes packed One Pair in a Box.

USE THREE BUTTS TO A DOOR

Half Surface Butt Hinges - Standard



No. 1150

Wrought Steel - Plated

No. 1550

Wrought Brass or Bronze

By unscrewing Ball Plug this Butt can be used for either Right Hand or Left Hand Doors. For Use on Wood Doors.

Packing, etc., Mortise Leaf with FH Wood Screws Surface Leaf with Oval Head Wood Screws.

Nos. 1150—1550
Five Knuckles—Loose Ball Pins

Size In Length of Joint	2	2½	3	3½	4	4½	5
Screw Holes	5	5	6	6	6	8	9
Size of Screws	¾x7	¾x7	¾x8	1x9	1x10	1¼x10	1¼x10
Gauge of Metal .....	.065	.089	.092	.123	.130	.134	.146
Weight Approximated Per 100 Pair, Pounds	30	50	95	160	205	260	370
Pairs in Full Carton	150	120	50	50	25	25	...

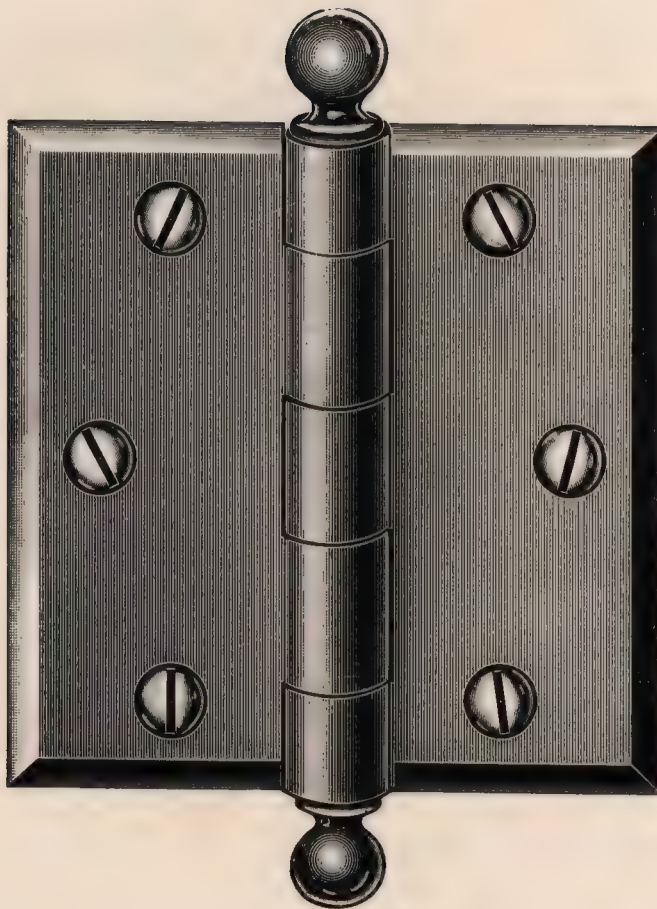
Sizes 2 and 2½ packed Three Pair in a Box.

Larger sizes packed One Pair in a Box.

USE THREE BUTTS TO A DOOR

Surface Butt Hinges

Standard



Nos. 1221—1551
Five Knuckles—Loose Ball Pins—Flat Back

No. 1221

Wrought Steel Plated

For use on the surface of Wood Doors. Small sizes are for use on small cabinets. Both leaves have beveled edges.

No. 1551

Wrought Brass or Bronze

Packed with Oval Head Screws.

2" and 2½" packed 3 pair in a box with oval head screws.
3" and larger packed one pair in a box with oval head screws.

Size Open (Inches).....	1½x1½	2x2	2½x2½	3x3	3½x3½	4x4
Screw Holes	4	4	6	6	6	8
Size of Screws.....	5/8x6	3/4x7	3/4x8	3/4x8	1x9	1x10
Gauge of Metal.....	.055	.065	.074	.092	.123	.130
Weight Approximated Per 100 Pair, Pounds.....	15	30	50	80	130	185
Pairs in a Carton.....	150	150	150	100	50	50

USE THREE BUTTS TO A DOOR

Standard Butt Hinges

For Hospital Doors



Rounded Barrel Ends—Non-Removable Pins.

Wrought Steel

Highly Polished and Heavy Coat of Copper Plate before Final Finish.

No. 2239—Non-Template

No. 2197—Template

Prime Coat for Painting

No. 2235—Non-Template

No. 2145—Template

Wrought Brass or Brass

Highly Polished

No. 1509—Non-Template

No. 2293—Template

For use where highest grade of hardware is wanted.
Leaves are beveled at joint, outer edges are square.

Non-Template Butts used on Wood Doors with Wood Jambs.

Template Butts used on Metal Doors or Wood Doors with Steel Jambs.

Non-Template Butts are Packed with Wood Screws.

Template Butts are packed with all machine screws for Metal Doors with Steel Jambs.

Template Butts are packed with $\frac{1}{2}$ machine screws and $\frac{1}{2}$ wood screws for Wood Doors with Steel Jambs.

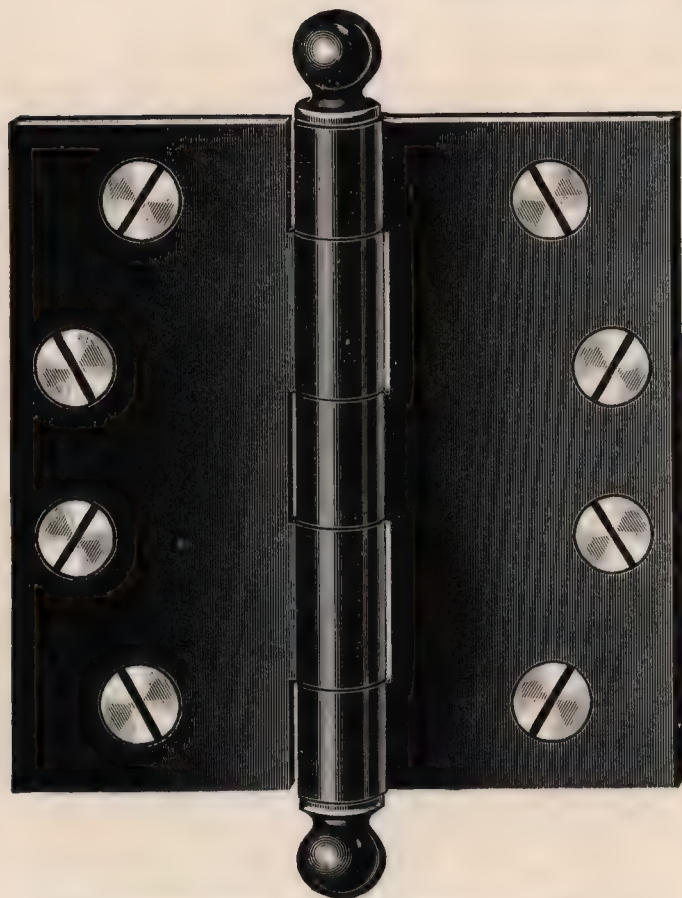
All Template Butts are Packed with All Machine Screws Unless Otherwise Specified.

Packed One Pair in a Box with Screws.

Size Open (Inches).....	3x3	3½x3½	4x4	4½x4½	5x5
Screw Holes	6	6	8	8	8
Size of Screws.....	1x8	1x9	1x10	1¼x12	1¼x12
Size of Machine Screws.....	½x10-24	½x10-24	½x12-24	½x12-24	½x12-24
Gauge of Metal.....	.092	.123	.130	.134	.146
Weight Approximated Per 100 Pair, Pounds.....	90	140	185	235	315
Pair in a Full Shipping Carton.....	100	50	50	20	25

USE THREE BUTTS TO A DOOR.

Standard Butt Hinges



Non-Rising Loose Pins—Five Knuckles—Ball Tips or Button Tips.

Wrought Steel

Highly Polished and Heavy Coat of Copper Plate before Final Finish.

No. 1239—Non-Template

No. 1174—Template

Wrought Brass or Bronze

Highly Polished, Steel Bushed.

No. 1500—Non-Template

No. 1193—Template

For use where highest grade of hardware is wanted. Leaves are beveled at joint, outer edges are square.

Non-Template Butts used on Wood Doors and Wood Jambs.

Template Butts used on Metal Doors or Wood Doors with Steel Jambs.

Non-Template Butts are packed with Wood Screws.

Template Butts are packed with all machine screws for Metal Doors with Steel Jambs.

Template Butts are packed with $\frac{1}{2}$ machine screws and $\frac{1}{2}$ wood screws for wood doors with Steel Jambs.

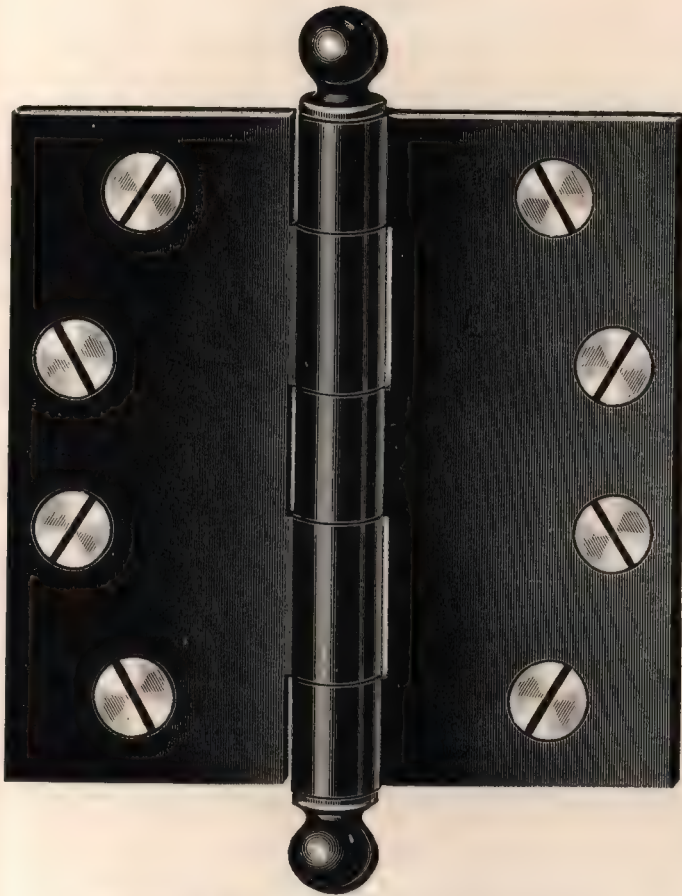
(All Template Butts are packed with all machine screws unless otherwise specified).

Packed One Pair in a Box with Screws.

Size Open (Inches)	2x2	2½x2½	3x3	3½x3½	4x4	4½x4½	5x5	6x6
Screw Holes	4	6	6	6	8	8	8	10
Size of Screws	¾x7	¾x8	1x8	1x9	1x10	1¼x12	1¼x12	1½x14
Size of Machine Screws		½x8-32	½x10-24	½x10-24	½x12-24	½x12-24	½x12-24	....
Gauge of Metal	.082	.089	.092	.123	.130	.134	.146	.160
Weight Approximated Per 100 Pair, Pounds	35	60	90	140	185	235	315	490
Pair in a Full Shipping Carton	150	150	100	50	50	20	25	....

USE THREE BUTTS TO A DOOR.

Standard Butt Hinges



Non-Rising Pins—Five Knuckles—Ball Tips or Button Tips.

Wrought Steel

Highly Polished

No. 1241 $\frac{1}{2}$ —Non-Template

No. 1279 $\frac{1}{2}$ —Template

For use on Standard Weight Interior Doors where a polished surface is wanted.

Non-Template Butts are for wood Doors with Wood Jambs, packed with all wood screws.

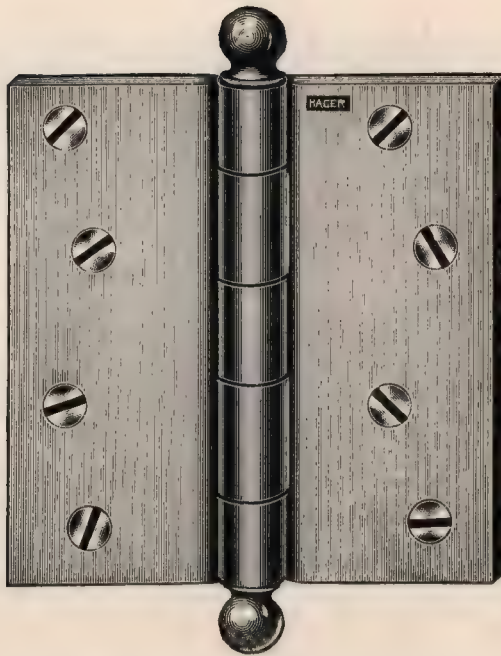
Template Butts are for Wood Doors with Steel Jambs, packed $\frac{1}{2}$ wood screws and $\frac{1}{2}$ machine screws.

Packed One Pair in a Box with Screws.

Size Open (Inches).....	2 $\frac{1}{2}$ x2 $\frac{1}{2}$	3x3	3 $\frac{1}{2}$ x3 $\frac{1}{2}$	4x4	4 $\frac{1}{2}$ x4 $\frac{1}{2}$	5x5
Screw Holes.....	6	6	6	8	8	8
Size of Screws, Wood.....	$\frac{3}{4}$ x8	1x8	1x9	1x10	1 $\frac{1}{4}$ x12	1 $\frac{1}{4}$ x12
Size of Screws, Machine.....	$\frac{1}{2}$ x8-32	$\frac{1}{2}$ x10-24	$\frac{1}{2}$ x10-24	$\frac{1}{2}$ x12-24	$\frac{1}{2}$ x12-24	$\frac{1}{2}$ x12-24
Gauge of Metal.....	.089	.092	.123	.130	.134	.146
Weight Approximated Per 100 Pair, Pounds..	55	80	135	180	225	300
Pairs in Full Carton.....	102	100	50	50	20	25

USE THREE BUTTS TO A DOOR

Standard Butt Hinges



Non-Rising Loose Pins—Five Knuckles—
Ball Tips or Button Tips.

Wrought Steel

Planished and Plated

No. 1241—Non-Template

No. 1279—Template

Prime Coat for Painting

No. 1242—Non-Template, with Button Tips

No. 1146—Template, with Button Tips

JAPANNED—Non-Template

No. 1733—Dead Black
(With Screws)

No. 7311—Bright Black
(With Screws)

No. 1731—Bright Black
(Without Screws)

For use on Standard Weight Doors where a first grade butt hinge is wanted.

Non-Template Butts used on Wood Doors with Wood Jambs.

Non-Template Butts are Packed with Wood Screws.

Template Butts are packed with $\frac{1}{2}$ machine screws and $\frac{1}{2}$ wood screws for Wood Doors with Steel Jambs.

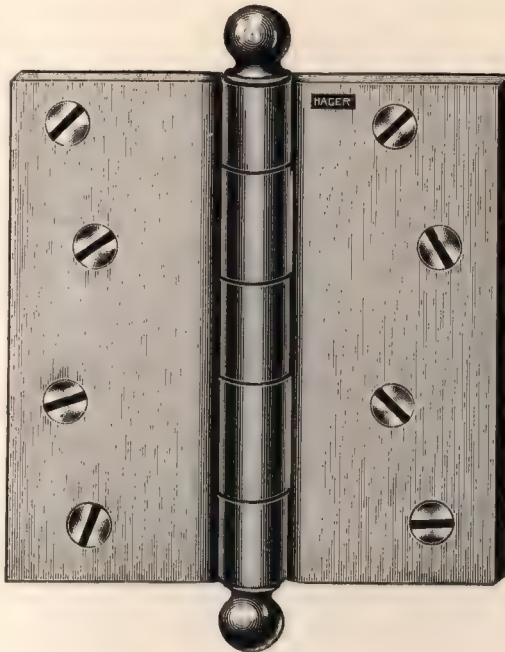
No. 1731 Packed without screws, 2x2, 1 Dozen Pair, Other Sizes $\frac{1}{2}$ Dozen Pair Per Box.

Nos. 1241, 1279, 1242, 1146, 1733, 7311 — 2x2 and $2\frac{1}{2} \times 2\frac{1}{2}$ Packed Three Pair in a Box with Screws, Larger Sizes Packed One Pair in a Box with Screws.

Size Open (Inches)	2x2	$2\frac{1}{2} \times 2\frac{1}{2}$	3x3	$3\frac{1}{2} \times 3\frac{1}{2}$	4x4	$4\frac{1}{2} \times 4\frac{1}{2}$	5x5	6x6
Screw Holes	4	6	6	6	8	8	8	10
Size of Screws Non-Template Wood	$\frac{3}{4} \times 7$	$\frac{3}{4} \times 8$	$\frac{3}{4} \times 8$	1x9	1x10	$1\frac{1}{4} \times 12$	$1\frac{1}{4} \times 12$	$1\frac{1}{2} \times 12$
Size of Screws Template Machine		$\frac{1}{2} \times 8-32$	$\frac{1}{2} \times 10-24$	$\frac{1}{2} \times 10-24$	$\frac{1}{2} \times 12-24$	$\frac{1}{2} \times 12-24$	$\frac{1}{2} \times 12-24$	....
Gauge of Metal	.082	.089	.092	.123	.130	.134	.146	.160
Weight Approx. Per 100 Pair, Pounds	34	55	83	135	180	225	300	475
Pairs in a Carton	150	150	100	50	50	20	25	....

USE THREE BUTTS TO A DOOR.

Standard Butt Hinges



Non-Rising Loose Pins—Five Knuckles—
Ball Tips or Button Tips.

Wrought Steel

Non-Template

No. 1823—Bright
(Without Screws)

No. WS-1823—Bright
(With Screws)

No. WS-1823-CP—Cadmium Plated
(With Screws)

No. WS-1345—Galvanized, with Brass Pins
(With Galvanized Screws)

For use on Standard Weight Doors where
a good grade of Butt Hinge is wanted.

No. 1823 Packed 2x2—1 Doz. Pair, Other Sizes 1/2 Doz. Pair in a Box.

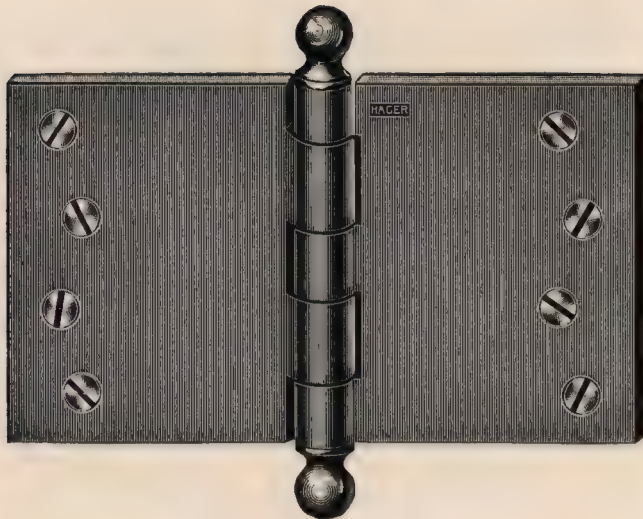
*Nos. WS-1823, WS-1823-CP, and WS-1345, the 2x2 and 2 1/2 x 2 1/2 are
packed Three Pair in a Box with Screws. Larger Sizes packed One Pair
in a Box.*

Size Open (Inches)	2x2	2 1/2 x 2	2 1/2 x 2 1/2	3x2 1/2	3x3	3 1/2 x 3	3 1/2 x 3 1/2	4x4	4 1/2 x 4 1/2	5x5	6x6
Screw Holes	4	4	6	6	6	6	6	8	8	8	10
Size of Screws	3/4 x 7	3/4 x 8	3/4 x 8	3/4 x 8	3/4 x 8	1 x 9	1 x 9	1 x 10	1 1/4 x 12	1 1/4 x 12	1 1/4 x 12
Gauge of Metal	.082	.089	.089	.092	.092	.123	.123	.130	.134	.146	.160
Weight Approx. Per 100 Pair, Lbs.	35	50	55	80	85	120	135	180	225	305	470
Pairs in a Carton	150	150	150	100	100	50	50	50	20	25	...

USE THREE BUTTS TO A DOOR.

Standard Butt Hinges

For Folding Doors



Non-Rising Loose Pins—Five Knuckles—
Ball Tips or Button Tips.

Wrought Steel

No. 2243—Plain Bearing

No. BB-2243—Ball Bearing (2 Loose Bearings)

Packed One Pair in a Box with Screws.

For use on Wood Doors where a big clearance is wanted.

Screw Holes are arranged for a door $1\frac{3}{8}$ in. and thicker.

Size Open (Inches).....	3x4	3x6	3½x5	3½x6	4x5	4x6	4x7	5x7	5x8
Screw Holes	6	6	6	6	8	8	8	10	10
Size of Screws.....	¾x8	¾x8	1x9	1x9	1x10	1x10	1x10	1¼x12	1¼x12
Gauge of Metal.....	.092	.092	.123	.123	.130	.130	.130	.146	.146
Weight Approximated Per 100 Pair, Pounds	100	125	170	190	210	250	270	400	450

USE THREE BUTTS TO A DOOR.

Standard Butt Hinges

Loose Joint

For Right and Left Hand Doors - Must Be Specified

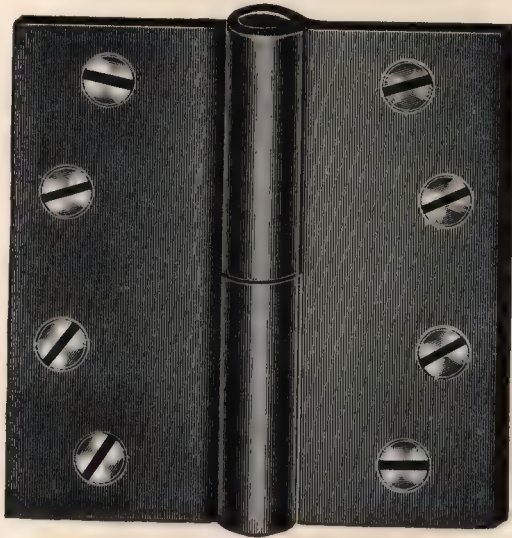


Illustration Shows Left Hand Butt Hinge.
Specify Right or Left Hand.

Wrought Steel

No. 1806—Bright Steel
(With Screws)

No. 1806-J—Japanned
(With Screws)

No. 1321—Galvanized, with Brass Pin
(With Screws)

No. 186—Template Prime Coat

No. 1216—Non-Template Prime Coat

Template made only in 3x3, 3½x3½, and 4x4 sizes.

Prime Coat One Pair in a Box with Screws.

No. 1806 One Dozen Pair Per Box.

Nos. 1806-J, 1321 ½ Dozen Pair Per Box with Screws.

Size Open (Inches).....	2x2	2½x2½	3x3	3½x3½	4x4
Screw Holes	4	6	6	6	8
Size of Screws.....	¾x7	¾x8	¾x8	1x9	1x10
Gauge of Metal.....	.082	.089	.092	.123	.130
Weight Approximated Per 100 Pair, Pounds.....	32	50	80	125	170

USE THREE BUTTS TO A DOOR.

Standard Butt Hinges

For Cupboards

Wrought Steel Light

WROUGHT IRON FINISH

No. 1276



Light Weight—Five Knuckles—Loose Pin—
Button or Steeple Tip.

This Butt can be furnished with either Button or Steeple Tip.
The Steeple Tip is furnished in either Steel Steeple Tip or Brass Steeple Tip.

Packed $\frac{1}{2}$ Dozen Pair in a Box with Screws.

Size Open (Inches).....	$2\frac{1}{2} \times 2$	$2\frac{1}{2} \times 2\frac{1}{2}$
Screw Holes	6	6
Size of Screws.....	$\frac{3}{4} \times 6$	$\frac{3}{4} \times 6$
Gauge of Metal.....	.065	.065
Weight Approximated Per Dozen Pair, Pounds.....	$3\frac{1}{2}$	4



Rough Rolled—Loose Oval Head Pin.

Wrought Steel Rough Rolled

WROUGHT IRON FINISH

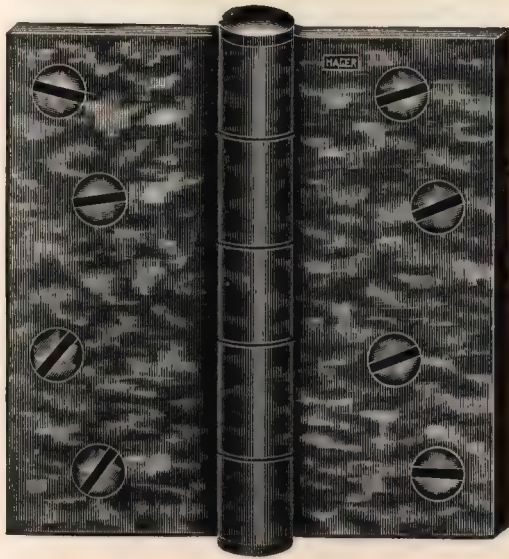
No. 1248

Packed One Pair in a Box with Screws.

Size Open (Inches).....	$3\frac{1}{2} \times 3\frac{1}{2}$	4x4	4x5
Screw Holes	6	8	8
Size of Screws.....	1x9	1x10	1x10
Gauge of Metal.....	.123	.130	.130
Weight Approximated Per 100 Pair, Pounds.....	150	200	235

USE THREE BUTTS TO A DOOR.

Standard Butt Hinges



Broad—Five Knuckles—Loose Pins—
Button or Steeple Tips.

Wrought Steel Broad

WROUGHT IRON FINISH

No. 1246—Plain Bearing

No. BB-1246—Ball Bearing (2 Loose Bearings)

This Butt can be furnished with either Button or Steeple Tip.

The Steeple Tip is furnished in either Steel Steeple Tip or Brass Steeple Tip.

Packed One Pair in a Box with Screws.

Size Open (Inches)	3x3	3½x3½	4x4	4½x4½	5x5
Screw Holes	6	6	8	8	10
Size of Screws	¾x8	1x9	1x10	1¼x12	1½x12
Gauge of Metal .....	.092	.123	.130	.134	.140
Weight Approximated Per 100 Pair, Pounds..	80	135	180	225	300
Full Carton	100	50	50	20	25

USE THREE BUTTS TO A DOOR.

Standard Butt Hinges

Fast Joint - Riveted Pins



Broad Fast Joint Riveted Pins—Five Knuckles

Wrought Steel

No. 1291—Plated Non-Template

No. 1178—Template

Prime coat for Painting:

No. 1290—Non-Template

No. 1148—Template

Polished and Plated

No. 1291 $\frac{1}{2}$ —Non-Template

No. 1176—Template

Wrought Brass or Bronze

Polished

No. 1508 $\frac{1}{2}$ —Non-Template

No. 1548 $\frac{1}{2}$ —Template

For use on Transoms and other standard weight doors where a fast joint riveted pin hinge is required.

On the Brass or Bronze Butt the leaves are beveled at the joint.

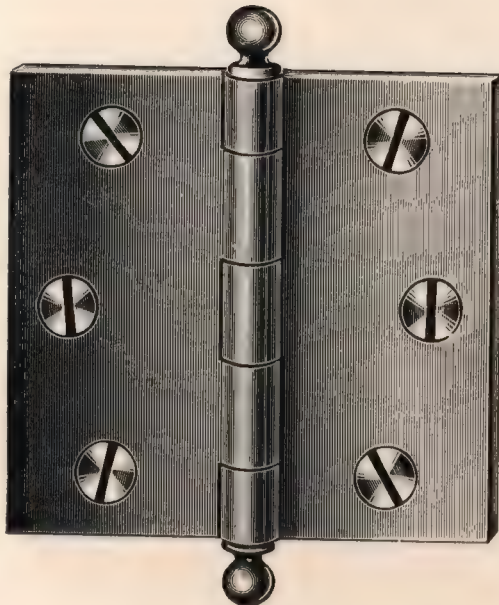
PACKING	{	2x2 and 2 $\frac{1}{2}$ x2 $\frac{1}{2}$ —One Dozen Pair in a Box with Screws
		3x3 —One Half Dozen Pair in a Box with Screws
		3 $\frac{1}{2}$ x3 $\frac{1}{2}$ and 4x4—One Pair in a Box with Screws

Size Open (Inches).....	2x2	2 $\frac{1}{2}$ x2 $\frac{1}{2}$	3x3	3 $\frac{1}{2}$ x3 $\frac{1}{2}$	4x4
Screw Holes.....	4	6	6	6	8
Size of Wood Screws.....	$\frac{3}{4}$ x7	$\frac{3}{4}$ x8	$\frac{3}{4}$ x8	1x9	1x10
Size of Machine Screws.....	.....	$\frac{1}{2}$ x8—32	$\frac{1}{2}$ x10—24	$\frac{1}{2}$ x10—24	$\frac{1}{2}$ x12—24
Gauge of Metal.....	.082	.089	.092	.123	.130
Weight Approximated Per 100 Pair, Pounds.....	30	50	70	100	135

For Regular Standard Steel See Page 48

USE THREE BUTTS TO A DOOR

Standard Light Weight Butt Hinges For Cabinets, Etc.



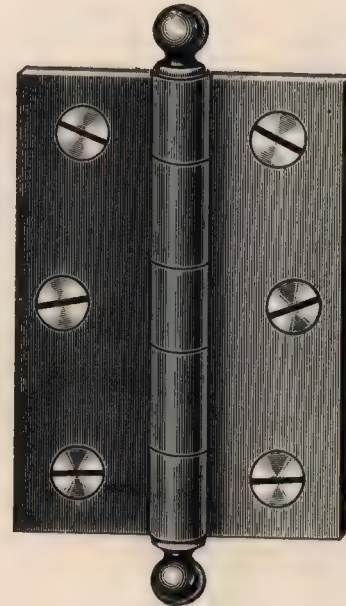
No. 1289
Light Weight Broad Ball or Button Tips—
Loose Pins—Five Knuckles

Wrought Steel Broad

No. 1289—Plated
No. 1289 $\frac{1}{2}$ —Polished
No. 1285—Prime Coat for Painting, with Button Tips

Wrought Brass or Bronze

No. 1589—Polished



No. 1295
Light Weight Narrow Ball or
Button Tips—Five Knuckles—
Loose Pins

Wrought Steel Narrow

No. 1295—Plated
No. 1295 $\frac{1}{2}$ —Polished
No. 1282—Prime Coat for Painting, with Button Tips

Wrought Brass or Bronze

No. 1595—Polished

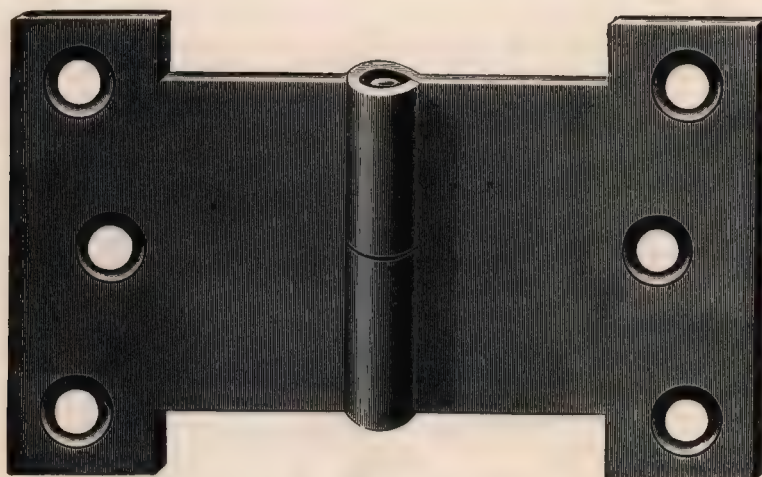
These Butts are used on Doors for Cabinets and other light weight doors.

All Packed One Dozen Pair in a Box with Screws.

Size Open (Inches) Broad.....	....	2x2	2 $\frac{1}{2}$ x2	2 $\frac{1}{2}$ x2 $\frac{1}{2}$	3x2 $\frac{1}{2}$	3x3
Size Open (Inches) Narrow.....	1 $\frac{1}{2}$ x1 $\frac{7}{16}$	2x1 $\frac{9}{16}$	2 $\frac{1}{2}$ x1 $\frac{11}{16}$	....	3x2	....
Screw Holes	4	4	6	6	6	6
Size of Screws.....	$\frac{5}{8}$ x5	$\frac{3}{4}$ x6	$\frac{3}{4}$ x6	$\frac{3}{4}$ x6	$\frac{3}{4}$ x7	$\frac{3}{4}$ x7
Gauge of Metal.....	.050	.065	.065	.065	.074	.074
Weight Approximated Per Dozen Pair, Pounds....	1 $\frac{1}{4}$	2 $\frac{1}{2}$	3 $\frac{1}{4}$	4	5	6 $\frac{1}{2}$
Dozen Pair in a Full Carton.....	25	25	20	20	12	12

USE THREE BUTTS TO A DOOR

Steel Hinges for Blinds or Shutters



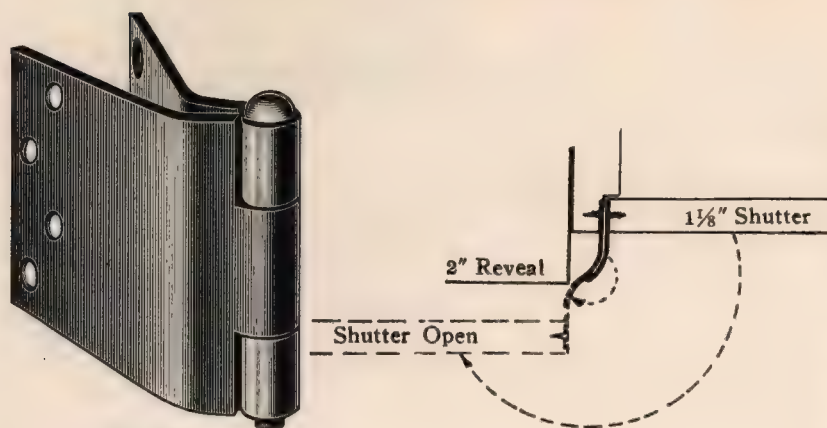
No. 1831
Left Hand—Loose Joint

Wrought Steel Loose Joint

No. 1831-CP—Cadmium Plated

For Blinds $1\frac{1}{8}$ inch and over. All Cadmium Plated Finish are furnished with brass pins. Specify Right or Left Hand. Packed 2 pair in a box with screws. Plain Steel without screws.

Size Open (Inches).....	5	$5\frac{1}{2}$	6	7	8
Joint	$1\frac{3}{4}$	$1\frac{3}{4}$	2	$2\frac{1}{4}$	$2\frac{1}{2}$
Width Between Flanges.....	$3\frac{3}{8}$	$3\frac{7}{8}$	$4\frac{1}{8}$	$4\frac{3}{4}$	$5\frac{3}{4}$
Flanges	$2\frac{7}{16} \times 1\frac{13}{16}$	$2\frac{7}{16} \times 1\frac{13}{16}$	$2\frac{7}{8} \times 1$	$3\frac{7}{8} \times 1\frac{1}{8}$	$3\frac{5}{8} \times 1\frac{1}{8}$
Screws	6-1x9	6-1x9	6-1 $\frac{1}{4}$ x10	6-1 $\frac{1}{4}$ x10	6-1 $\frac{1}{4}$ x12
Weight Approximated Per 100 Pair, Pounds.....	84	92	119	163	186



No. 1845
Loose Pin Reversible

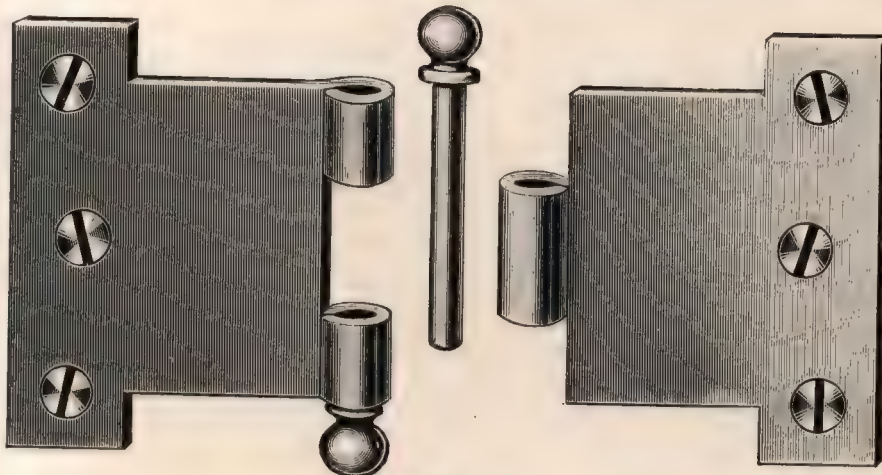
Wrought Steel Loose Pin

No. 1845-CP—Cadmium Plated

This hinge throws the Blind or Shutter parallel to the wall when open. The inner edge of the blind is carried clear of the opening. The regular offset is $\frac{3}{4}$ inch. All Cadmium Plated Finish are furnished with brass pin. Packed 2 pair in a box with screws. Plain Steel without screws.

Size Open (Inches).....	3x5	3x6	3x7	3x8
Gauge of Metal.....	.123	.123	.123	.123
Greatest Clearance, $1\frac{1}{8}$ inch Blind.....	3	4	5	6
Screws	8-1x9	8-1x9	8-1x9	8-1x9
Weight Approximated Per 100 Pair, Pounds.....	160	170	195	215

Standard Butt Hinges - Parliament



No. 1828—No. 1260
Loose Pin—Ball Pin

These Parliament Butts are used on Wood Doors requiring a wide Throw.

The Ball Tip Parliament Butt is made in 3 to 12 inch sizes.

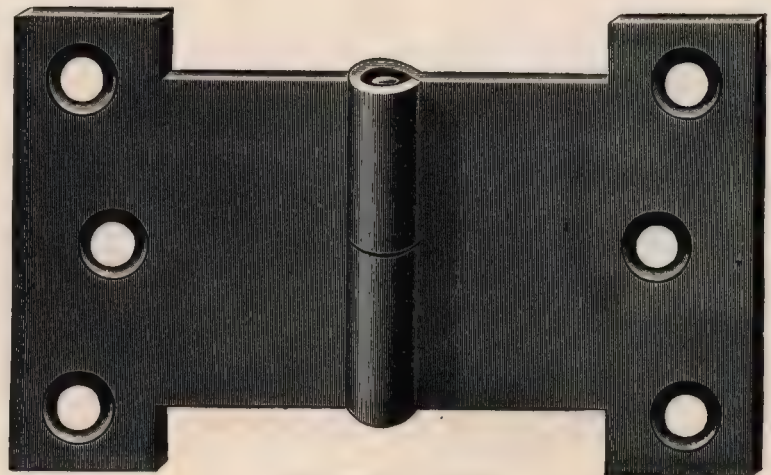
Wrought Steel LOOSE JOINT

No. 1830—Bright Steel
(Without Screws)

No. 1333—Galvanized with Brass Pins
(With Screws)

Loose Joint Parliament Butt is made
Right or Left Hand

Please Specify Hand Wanted.



No. 1830—No. 1333
Loose Joint—Right or Left Hand

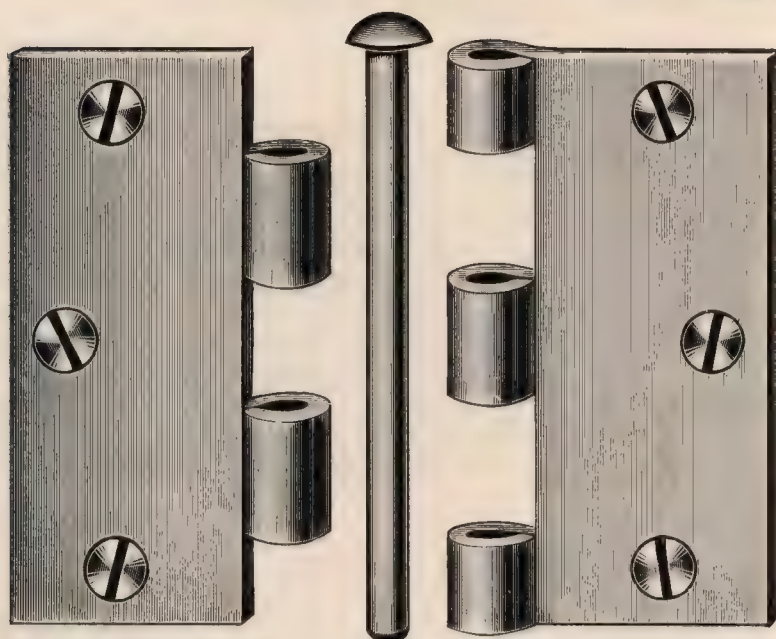
PACKING

4½ inch and smaller packed one dozen pair in a box. 5 to 8 inch packed ½ dozen pair in a box.
10 and 12 inch packed ¼ dozen pair in a box.

Width Size Open (Inches).....	2½	3	3½	4	4½	5	5½	6	8	10	12
Joint	1½	1½	1¾	1¾	1¾	1¾	1¾	2	2½	3	3⅞
Width Between Flanges	1½	1⅝	1⅞	2⅞	2⅞	3⅞	3⅞	4⅞	5¾	7½	9
Flanges	2⅞x1⅞	2⅞x1⅞	2⅞x2⅞	2⅞x2⅞	2⅞x1⅞	2⅞x1⅞	2⅞x1⅞	2⅞x1	3⅞x1⅞	4½x1¼	5x1½
Screw Holes	6	6	6	6	6	6	6	6	6	8	8
Size of Screws.....	⅞x8	⅞x8	⅞x9	1x9	1x9	1x9	1x9	1¼x10	1¼x12	1¼x12	1½x12
Weight Approx. Per Doz. Pair, Lbs.....	4	5	6½	7½	9	10	15	11	30	46	68

USE THREE BUTTS TO A DOOR

Standard Butt Hinges - Broad Type



No. 1804—Bright Steel
Loose Oval Head Pin—Five Knuckles

No. 1334—Galvanized, With Brass Pin

Wrought Steel

LOOSE OVAL HEAD PINS

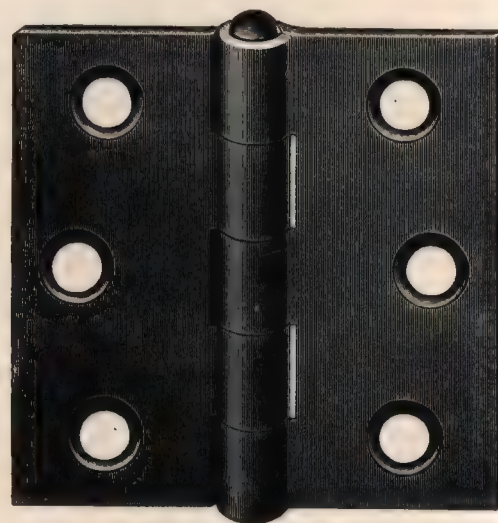
- No. 1804—Bright Steel
(Without Screws)
- No. WS-1804—Bright Steel
(With Screws)
- No. WS-1804-CP—Cadmium Plated
(With Screws)
- No. WS-1804-CP-BP—Cadmium Plated,
with Brass Pin
(With Screws)
- No. 1334—Hot Galvanized, with Brass Pin
(With Screws)

Wrought Steel

RIVETED FAST PIN

- No. 1808—Bright Steel
(Without Screws)
- No. WS-1808—Bright Steel
(With Screws)
- No. WS-1808-CP—Cadmium Plated
(With Screws)
- No. WS-1808-CP-BP—Cadmium Plated with Brass Pin
(With Screws)
- No. 1319—Hot Galvanized with Brass Pin
(With Screws)

For Latest Finishes and Template see page 44



No. 1808—Bright Steel
No. 1319—Galvanized, With Brass Pin

Size Open (Inches).....	2x2	2½x2	2½x2½	3x2½	3x3	3½x3	3½x3½	4x4	4½x4½	5x5	6x6
Size and Number Screws...	4-¾x7	6-¾x8	6-¾x8	6-¾x8	6-7/8x8	6-1x9	6-1x9	8-1x10	8-1¼x10	8-1¼x12	10-1½x12
Gauge of Metal.....	.082	.089	.089	.092	.092	.123	.123	.130	.134	.146	.160
Weight Approximated Per Dozen Pair, Pounds.....	3	4	5	7	7½	11	12	16	22	31	48
Dozen Pairs in Case 1804 and 1808.....	50	50	50	25	25	15	15	12	8	8	5
Pairs in Carton WS-1804, 1334, WS-1808, 1319.....	150	150	150	100	100	50	50	50	20	25	..

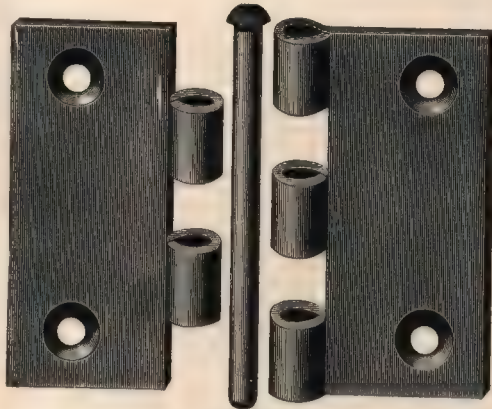
PACKING

1804 and 1808 2 to 3 inch one dozen pair in a box without screws, 3½ to 4 inch ½ dozen pair, 4½ to 5 inch ¼ dozen pair, 6x6 inch one pair, WS-1804, 1334, WS-1808, 1319, 1 pair in a box with screws.

USE THREE BUTTS TO A DOOR

Standard Butt Hinges - Light Weight

For use on Cabinets, Cupboards, etc.



No. 1834

Light Weight—Broad Loose Oval Head Pin

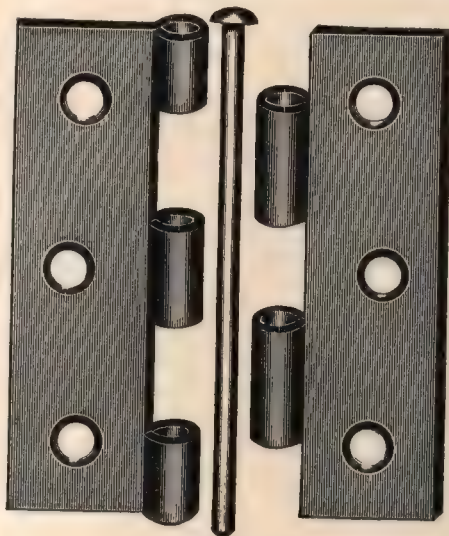
Wrought Steel

LIGHT BROAD LOOSE OVAL HEAD PIN

No. 1834—Bright Steel

Packed One Dozen Pair in a Box Without Screws

Size Open (Inches)	2x2	2½x2	2½x2½	3x2½	3x3
Screws	4-¾x6	6-¾x6	6-¾x6	6-¾x7	6-¾x7
Gauge Metal	.065	.065	.065	.074	.074
Weight Approx. Per Dozen Pair, Pounds	2½	3	3¼	5	6
Dozen Pair in Full Carton	20	20	20	15	10



Nos. 1840—1286

Wrought Steel

LIGHT NARROW LOOSE PIN

No. 1840—Bright Steel
(Without Screws)

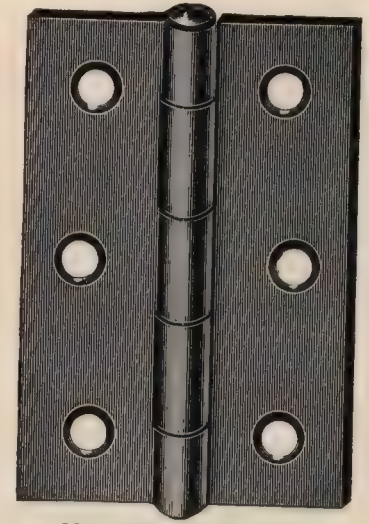
No. 1286—Plated and Japanned
(With Screws)

LIGHT NARROW FAST RIVETED PIN

No. 1838—Bright Steel
(Without Screws)

No. 1284—Plated and Japanned
(With Screws)

No. 1317—Galvanized and Brass Pin
(With Screws)



Nos. 1838—1284—1317

Size Joint (Inches)	¾	1	1¼	1½	1¾	2	2½	3	3½	4	4½	5	6
Width Open Inches	1½	1	1½	1¾	1¾	1¾	1½	2	2¼	2½	3	3½	3½
Screws	4-½x2	4-½x3	4-5/8x4	4-5/8x5	4-5/8x5	4-3/4x6	6-¾x6	6-¾x7	6-¾x8	8-1x9	8-1¼x10	8-1¼x10	8-1¼x11
Gauge Metal	.039	.050	.050	.050	.055	.065	.065	.074	.077	.079	.080	.087	.098
Wgt. Approx. Per Doz. Pair, Lbs.	¼	½	5/8	1	1¼	1¾	2½	4	5¾	8½	11	14	22½
Dozen Pair in Full Carton	100	100	50	50	25	25	20	50	25	..	..	..	..

Nos. 1840, 1838, etc., 1¼ inch and Smaller have Three Knuckles.

PACKING

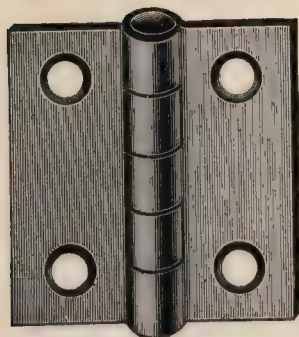
BRIGHT STEEL, Nos. 1840, 1838—no screws—to 3 inch, One Dozen Pair Per Box. 3½ to 4½ inch One Half Dozen Pair to Box. 5 and 6 inch One Quarter Dozen Pair to Box.

PLATED, JAPANNED and GALVANIZED packed One Dozen Pair Per Box with Screws.

Nos. 1284, 1317, 1286 made only in sizes 1, 1½, 2, 2½, and 3 inch.

USE THREE BUTTS TO A DOOR

Standard Butt Hinges - Narrow



Narrow Fast Riveted Pin
No. 1800—Bright Steel
No. 1315—Galvanized, With
Brass Pin

Wrought Steel

FAST RIVETED PINS

No. 1800—Bright Steel
(Without Screws)

No. 1315—Galvanized Brass Pins
(With Screws)

PACKING

BRIGHT STEEL No. 1800 without screws—One Dozen Pair to three inch—
sizes $3\frac{1}{2}$ to $4\frac{1}{2}$ inch One Half Dozen—sizes 5 and 6 inch One Quarter Dozen—
No. 1315 with screws made only in sizes $1\frac{1}{2}$, 2, $2\frac{1}{2}$, 3 inch,
One Dozen Pair in a box.

Size Joint (Inches)...	1	$1\frac{1}{4}$	$1\frac{1}{2}$	$1\frac{3}{4}$	2	$2\frac{1}{2}$	3	$3\frac{1}{2}$	4	$4\frac{1}{2}$	5	6
Width Open	1	1	1	1	1	1	2	2	2	2	3	4
Screws	$4\frac{5}{8} \times 5$	$4\frac{3}{4} \times 6$	$4\frac{3}{4} \times 6$	$4\frac{3}{4} \times 6$	$4\frac{3}{4} \times 7$	$6\frac{3}{4} \times 7$	$6\frac{3}{4} \times 8$	$6\text{-}1 \times 9$	$8\text{-}1 \times 9$	$8\text{-}1\frac{1}{4} \times 10$	$8\text{-}1\frac{1}{4} \times 11$	$8\text{-}1\frac{1}{4} \times 12$
Gauge Metal .....	.063	.065	.068	.073	.074	.075	.079	.087	.102	.102	.113	.115
Weight Approx. Per Doz. Pair, Pounds....	$\frac{5}{8}$	1	$1\frac{1}{4}$	$1\frac{3}{4}$	$2\frac{1}{8}$	$3\frac{1}{8}$	$4\frac{3}{8}$	$7\frac{1}{8}$	10	$12\frac{1}{2}$	$16\frac{1}{2}$	24
Dozen Pair in a Carton.	100	100	50	50	25	20	25	25	..	..	..	..

No. 1800 $1\frac{1}{4}$ inch and smaller have three knuckles.



No. 1802 Narrow Bright Steel—Left Hand
Loose Joint—Right or Left Hand
Specify Hand

Wrought Steel

No. 1802—Narrow Loose Joint,
(Without Screws)

PACKING

BRIGHT STEEL sizes 2, $2\frac{1}{2}$, 3 inch One Dozen Pair in a box.
Sizes $3\frac{1}{2}$ to 4 inch One Half Dozen Pair in a box.

Size Joint (Inches).....	2	$2\frac{1}{2}$	3	$3\frac{1}{2}$	4
Width Open	1	1	2	2	2
Screws	$4\frac{3}{4} \times 7$	$6\frac{3}{4} \times 7$	$6\frac{3}{4} \times 8$	$6\text{-}1 \times 9$	$6\text{-}1 \times 9$
Gauge Metal .....	.074	.075	.079	.087	.089
Weight Approximated Per Dozen Pair, Pounds	$2\frac{1}{8}$	$3\frac{1}{8}$	$4\frac{1}{2}$	$7\frac{1}{8}$	$9\frac{1}{2}$

Standard Butt Hinges

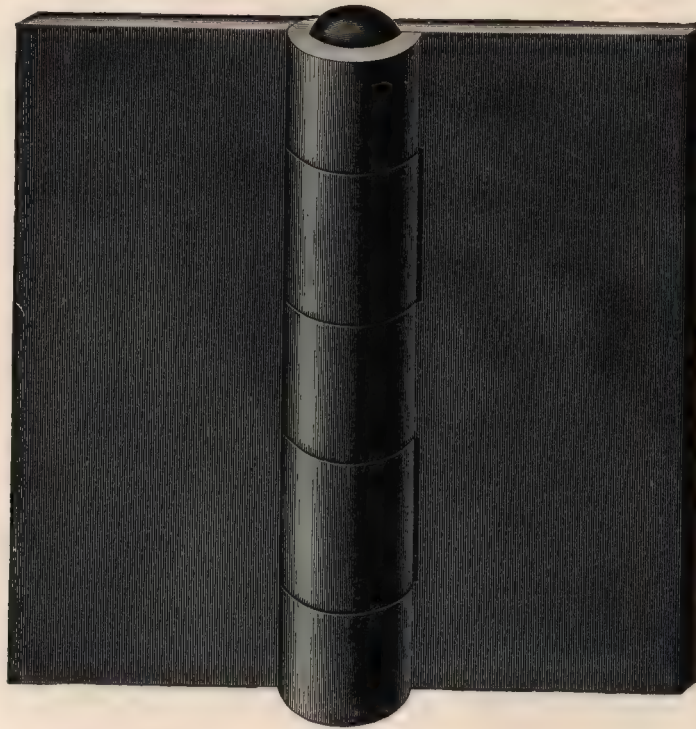
Extra Heavy - Full Surface

Wrought Steel

For use on Steel Shutters, etc.

Flat Back to fit on a flat surface

Blank—No Holes



No. 1850

Blank—Five Knuckles—Fast Riveted Pins—Flat Back

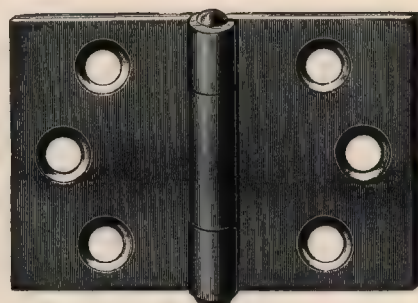
Size Open (Inches).....	2x2	2½x2½	3x3	3½x3	3½x3½	4x3	4x4	4½x4½	5x5	6x6
Gauge of Metal.....	.107	.119	.130	.146	.146	.160	.160	.170	.180	.203
Weight Approximated Per Dozen Pair, Pounds	4½	8	12	16	17	22	25	31	36	52

Packing: 4x4 inches and smaller, one-quarter dozen pairs in a box, larger sizes, one-twelfth dozen pairs.

Also packed in bulk

Standard Butt Hinges

For Use On Cupboards, Etc.



No. 1842
Light—Fast Riveted Pin.

Wrought Steel

FAST PIN LIGHT WEIGHT

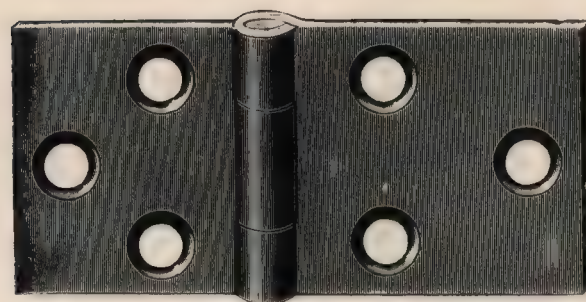
No. 1842—Bright Steel (Without Screws)

Packed One Dozen Pair in a Box without Screws.

Size, Length of Joint (Inches).....	1	1 1/8	1 1/4	1 1/2
Width Open	1 5/8	1 3/4	1 7/8	2 1/8
Screws	5/8x4	5/8x5	5/8x5	5/8x5
Weight Approx. Per Doz. Pair, Pounds..	5/8	7/8	1	1 3/8

Wrought Steel Table Hinge

Fast Flush Riveted Pin

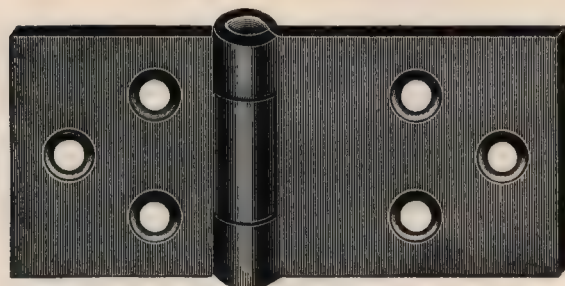


No. 1810.
Fast Flush Riveted Pin.

No. 1810—Bright Steel (Without Screws)

Packed One Dozen Pair in a Box.

Size, Lgth. of Joint (In.)	1	1 1/8	1 1/4	1 1/2	1 3/4	2
Width, Long Leaf....	1 1/2	1 9/16	1 5/8	1 3/4	1 3/4	2
Width, Short Leaf....	1 1/8	1 3/16	1 1/4	1 3/8	1 3/8	1 5/8
Screws	6-3/4x6	6-3/4x7	6-3/4x7	6-3/4x8	6-1x9	6-1x9
Gauge of Metal.....	.068	.068	.075	.080	.082	.082
Weight Approx. Per Doz. Pair, Lbs.....	1 1/2	1 5/8	2	2 1/2	3	4 1/4



No. 1819
Fast Flush Riveted Pin
3 Screw Holes in Long
Leaf Near End

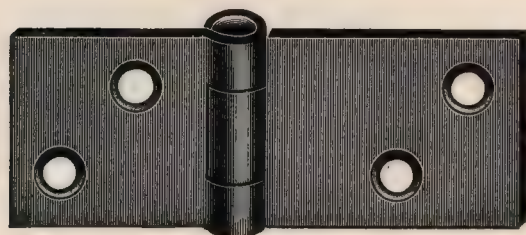
Wrought Steel Table Hinges

Fast Flush Riveted Pin

No. 1819—Long Leaf Screw Holes Bunched at End.

Made only in 1—1 1/8—1 1/4 inch

Sizes, Measurements, etc., same as No. 1810.



No. 2819
Fast Flush Riveted Pin
2 Screw Holes in Each Leaf

Wrought Steel Table Hinges

Fast Flush Riveted Pin

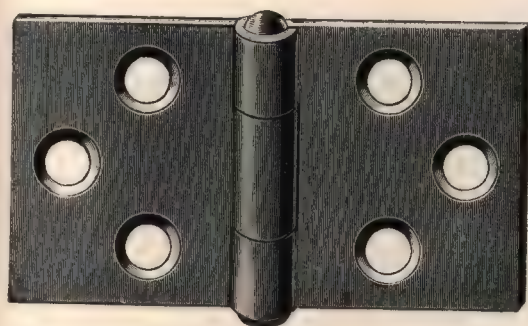
No. 2819

(2 Staggered Screw Holes in Each Leaf.)

Made only in 1—1 1/8—1 1/4 inch.

Sizes, Measurements, etc., same as No. 1810.

Standard Butt Hinges - Fast Riveted Pin



No. 1816
Fast Riveted Pin—Back Flaps

Wrought Steel Back Flaps

No. 1816—Bright Steel

Without Screws (Swaged)

No. 1816½—Bright Steel

Without Screws (Not Swaged Flap Back)

No. 1313—Galvanized Brass Pin

With Screws (Not Swaged)

Packed one dozen Pair in a Box.

Size Length Joint (Inches).....	1	1¼	1½	1¾	2
Width Open	2	2½	2¾	2¾	3½
Screws	6-¾x6	6-¾x6	6-¾x8	6-¾x8	6-¾x8
Gauge Metal.....	.075	.075	.075	.077	.077
Weight Approximated Per Dozen Pair, Pounds....	1¼	1¾	2¼	3¼	4¼

Wrought Steel Back Flaps

FAST RIVETED PIN

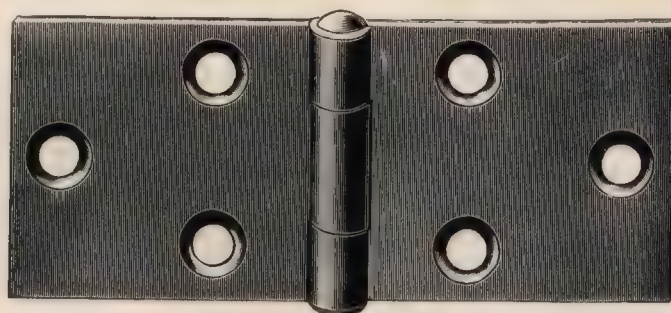
No. 1814—Bright Steel

Without Screws (Swaged)

No. 1814½—Bright Steel

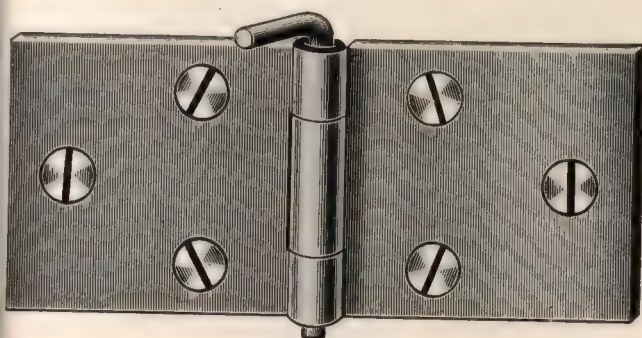
Without Screws (Not Swaged)

Packed One Dozen Pair in a Box.



No. 1814
Fast Riveted Pin—Back Flap

Size Length Joint (Inches)	¾	1	1½	1¾	1½	1¾	2
Width Open	2¾	2¾	3	3¾	3¾	4	4¾
Screws	4-¾x6	6-¾x6	6-¾x6	6-¾x7	6-¾x8	6-¾x8	6-¾x8
Gauge Metal.....	.075	.075	.075	.075	.075	.077	.077
Weight Approximated Per One Dozen Pair, Pounds	1¼	1½	1¾	2¼	2¾	3¾	4¾



No. 1813
Loose Bent Pin—Back Flaps

Wrought Steel Back Flaps

LOOSE BENT PIN

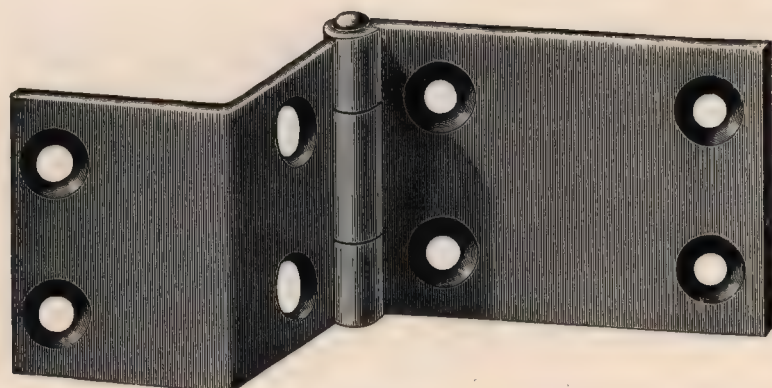
No. 1813—Bright Steel

Without Screws (Not Swaged)

Packed One Dozen Pair in a Box.

Made only in sizes 1¼, 1½, 1¾, and 2 inch Measurements, etc., the same as No. 1814.

Standard Butt Hinges



No. 1820
Fast Riveted Pin Heavy Chest Hinge.

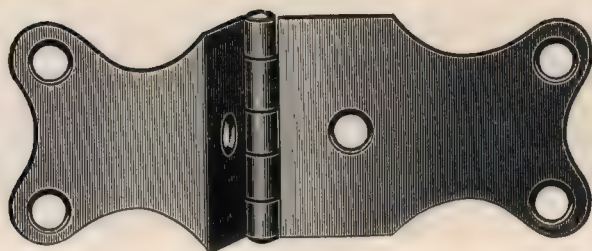
Wrought Steel Heavy Chest Hinges

No. 1820—Bright Steel
(Without Screws)

Size, Length of Wood.....	1½	2
Bent for Wood.....	½, ⅝, ¾	⅞
Screws	8-¾x7	8-¾x7
Weight Approximated		
Per Dozen Pair, Pounds....	3½	6¼

Packed One Dozen Pair in a Box.

Wrought Steel Light Chest Hinges



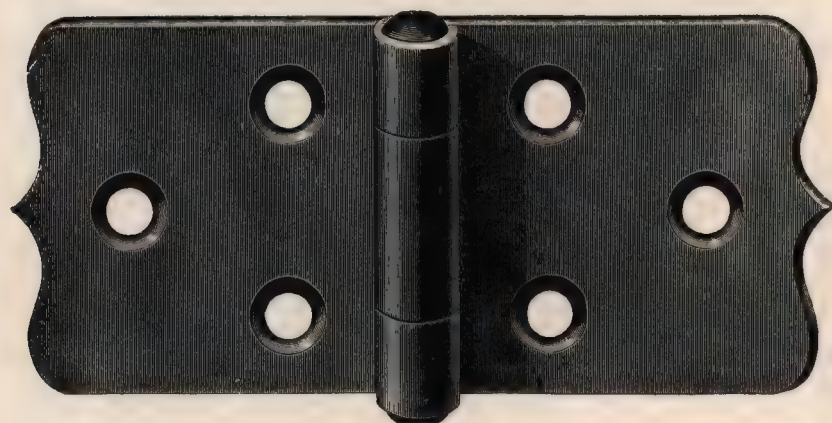
No. 1821
Fast Riveted Pin Light Chest Hinges.

No. 1821—Bright Steel
(Without Screws)

No. 1821-B—Brass Plated, Bright
No. 1821-C—Copper Plated, Bright

Size, Length of Joint.....	1½
Bend	1⅝
Edge to Bend.....	1⅜
Straight Leaf	2¼
Screws	6-¾x7
Weight Approx. Per Doz. Pair, Lbs....	2¼

Packed in Bulk, and One Dozen Pair in a Box.



No. 1312
Fast Pin Riveted Pin Tub Hinge—Galvanized Brass Pin.

Wrought Steel Tub Hinges

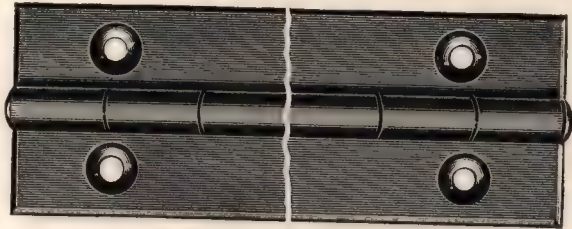
No. 1312—Galvanized Brass Pins
(With Screws)

Size, Length of Joint..	1½	1¾	2
Width Open	2¾	3⅞	4⅞
Screws	6-¾x8	6-¾x8	6¾x8
Weight Approx. Per			
Dozen Pair, Pounds.	2⅝	3½	6

*Packed One Dozen Pair in a Box
with Screws.*

Continuous Hinges

Wrought Steel and Wrought Brass



No. 2300
Continuous Hinges.

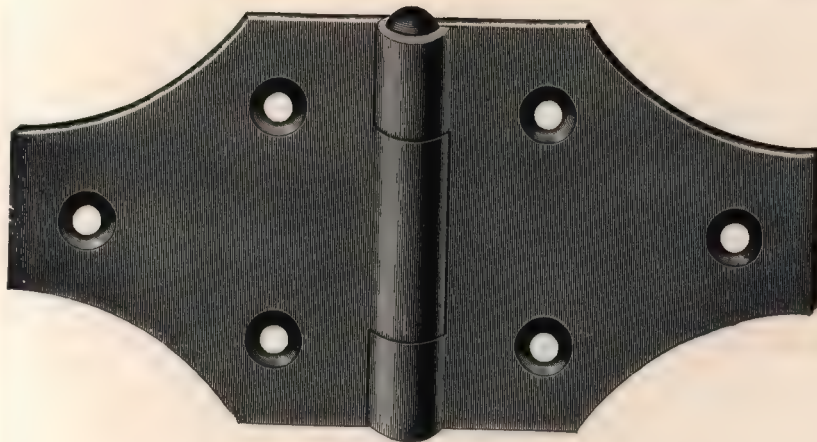
No. 2300

Size and Length Made Up on Specification.

Packed in Bulk without Screws.

End Gate Hinges

Wrought Steel

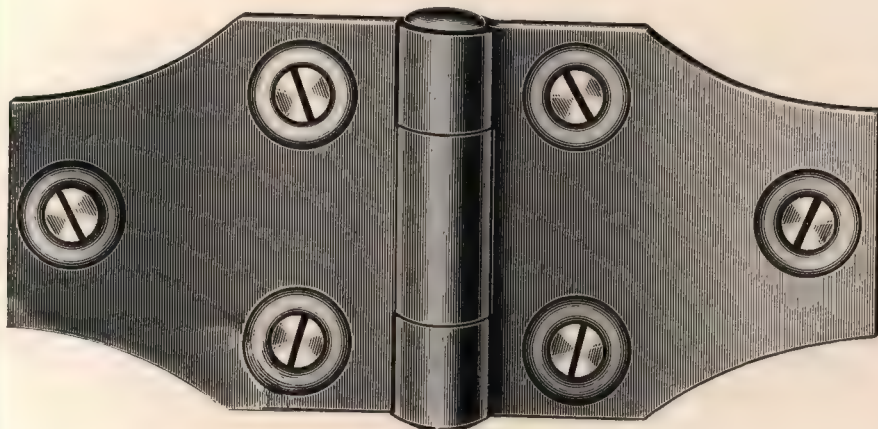


No. 1971
End Gate Hinges—Fast Riveted Pin.

No. 1971

Size Open (Inches).....	5
Joint Length	2½
Gauge of Metal.....	.083
Screws	6-1x10
Weight Approx., Per Doz. Pair, Pounds	6½

*Packed One Dozen Pair in a Box
without Screws.*



No. 1969
End Gate Hinges—Fast Riveted Pin.

No. 1969

Size Open (Inches).....	5
Joint Length	2½
Gauge of Metal.....	.083
Screws	6-1x10
Weight Approx. Per Pair, Pounds	6½

*Packed One Dozen Pair in a Box
without Screws.*

Half Surface Butt Hinges

STANDARD WEIGHT WITHOUT OFFSET

No. 1196

For Standard Weight Cabinet Doors. Ball Tip Loose Pin

WROUGHT STEEL PLATED

Packed 2 inches— 1 Dozen Pair in a Box with screws

Packed 2½ inches—½ Dozen Pair in a Box with screws

Size Joint (Inches).....	2	2½
Screws	4-¾x6	6-¾x6
Gauge Metal .....	.065	.065
Weight Approximated Per Dozen Pair, Pounds....	2¼	3



No. 1196
Without Offset

STANDARD WEIGHT WITHOUT OFFSET

No. 1195

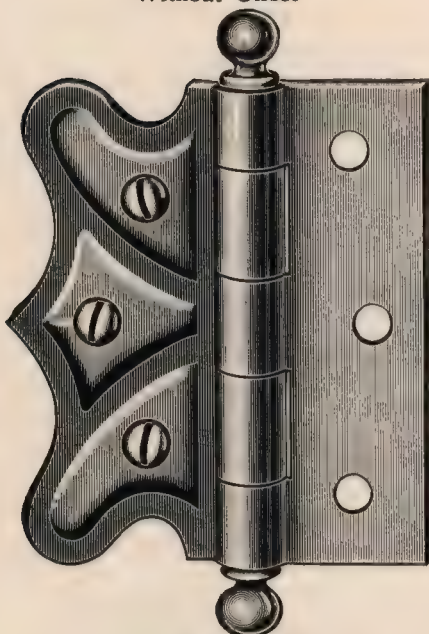
For Standard Weight Cabinet Doors. Ball Tip Loose Pin

WROUGHT STEEL PLATED

Packed 2 inches— 1 Dozen Pair in a Box with screws

Packed 2½ inches—½ Dozen Pair in a Box with screws

Size Joint (Inches).....	2	2½
Screws	4-¾x6	6-¾x6
Gauge Metal .....	.065	.065
Weight Approximated Per Dozen Pair, Pounds....	2¼	3



No. 1195
Without Offset

STANDARD WEIGHT WITHOUT OFFSET

No. 1274

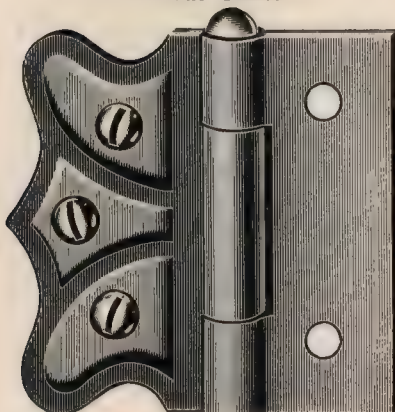
For Standard Weight Cabinet Doors. Reversible Loose Pins

WROUGHT STEEL PLATED

Packed 2 inches— 1 Dozen Pair in a Box with screws

Packed 2½ inches—½ Dozen Pair in a Box with screws

Size Joint (Inches).....	1½	2
Screws	5-¾x6	5-¾x6
Gauge Metal .....	.065	.065
Weight Approximated Per Dozen Pair, Pounds....	1¾	2¼



No. 1274
Half Surface—Without Offset



No. 1169
Full Surface
Beveled Edge

Full Surface Steel Butt Hinges Light

Edges Beveled — Loose Pins
Without Offset — Flat Back
For Cabinets
Wrought Steel and Plated

No. 1169
Full Surface
Size Open
 $1\frac{1}{2} \times 1\frac{1}{2}$ Inches
2x2 Inches

No. 1033
Full Surface
Size Open
 $1\frac{1}{2} \times 1\frac{1}{2}$ Inches
2x2 Inches
 $2\frac{1}{2} \times 2\frac{1}{2}$ Inches



No. 1033
Full Surface
Beveled Edge



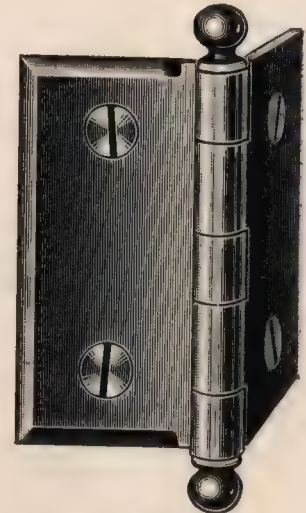
No. 1170
Half Surface
Without Offset

Half Surface Steel Butt Hinges - Light

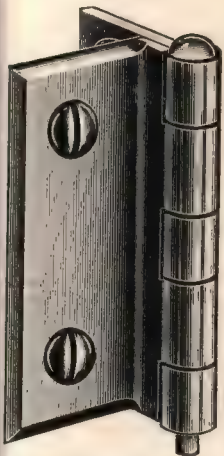
Without Offset — Loose Pin
For Cabinets
Wrought Steel Plated

No. 1170
Half Surface
Size Joint
 $1\frac{1}{2}$ Inches
2 Inches

No. 1033 $\frac{1}{4}$
Half Surface
Size Joint
 $1\frac{1}{2}$ Inches
2 Inches
 $2\frac{1}{2}$ Inches



No. 1033 $\frac{1}{4}$
Half Surface
Without Offset



No. 1171
Half Surface
With Offset

Half Surface Steel Butt Hinges - Light

With Offset — Loose Pin

No. 1171
Half Surface
Size Joint
 $1\frac{1}{2}$ Inches
2 Inches

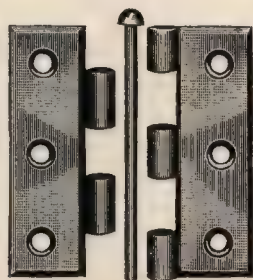
No. 1033 $\frac{3}{4}$
Half Surface
Size Joint
 $1\frac{1}{2}$ Inches
2 Inches
 $2\frac{1}{2}$ Inches



No. 1033 $\frac{3}{4}$
Half Surface
With Offset

All Numbers Packed 1 Dozen Pair in a Box, with Screws

Light Cabinet Hinges



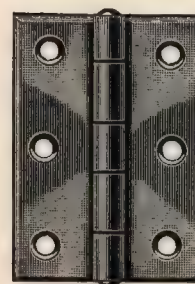
No. 1051

Wrought Steel Plated

FOR FLUSH DOORS

Loose Pins—Flat Back
Beveled Edges

Size Joint (Inches).....	2	2½
Screws	4-¾x6	6-¾x6
Weight Approximated Per Dozen		
Pair, Pounds	2⅛	2⅝

Packed 1 dozen pair in a box with screws.

No. 1050

Wrought Steel Plated

FOR FLUSH DOORS

Fast Riveted Pins
Beveled Edges

Size Joint (Inches).....	2	2½
Screws	4-¾x6	6-¾x6
Weight Approximated Per Dozen		
Pair, Pounds	2⅛	2⅝

Packed 1 dozen pair in a box with screws.

Wrought Steel Loose Pin Butt Hinges

Extra Light

No. 892

Extra Light—Loose Ball Pins.

No. 892

For Light Cabinet Doors

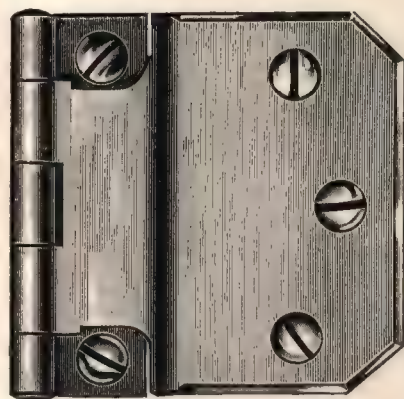
Ball Tip Loose Pin

*Packed One Dozen Pair in a Box
with Screws.**A very light Butt made for
small light cabinet doors.*

Size (Inches).....	2x1¾	2x2	2½x2	2½x2½	2½x3½	3x3
Length Joint, Inches.....	2	2	2½	2½	2½	3
Width Open, Inches.....	1¾	2	2	2½	3½	3
Screw Holes	4	4	6	6	6	6
Size Screws	5/8x5	¾x6	¾x6	¾x6	¾x6	¾x6
Gauge of Metal.....	.050	.050	.050	.050	.050	.050
Weight Approximated Per Dozen Pair, Pounds....	1¾	2	2½	3½	4	5½
Dozen Pair in Full Carton.....	25	25	20	20	20	12

Cabinet Surface Hinges

For Lipped Doors and Flush Doors



No. 1001
For Lipped Doors—
Offset $\frac{3}{8}$ inch—Joint 2 inches.

No. 1001
WROUGHT STEEL
PLATED
FOR LIPPED DOORS

Offset $\frac{3}{8}$ inch
Fast Riveted Pins
Joint 2 inches
Screws $5\text{-}\frac{5}{8}\times 5$ Oval Head

Packed 1 Dozen Pair in a box with screws.

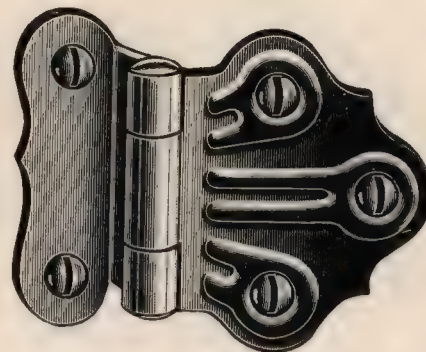
Weight Approx. Per Doz.
Pair $2\frac{3}{4}$ Pounds

No. 1005
WROUGHT
STEEL PLATED
FOR LIPPED
DOORS

Offset $\frac{3}{8}$ inch
Fast Riveted Pins
Joint $1\frac{1}{4}$ inches
Screws $5\text{-}\frac{5}{8}\times 5$ Oval Head

Packed 1 Dozen Pair in a box with screws.

Weight Approx.
Per Doz. Pair $1\frac{3}{4}$ Pounds.



No. 1005
For Lipped Doors—
Offset $\frac{3}{8}$ inch—Joint $1\frac{1}{4}$ inches.

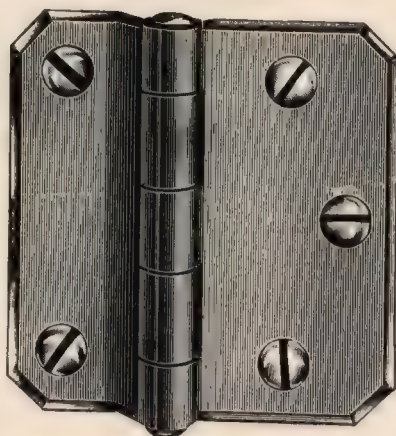
No. 1003
WROUGHT STEEL
PLATED

FOR LIPPED DOORS

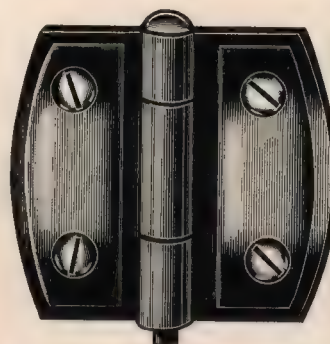
Offset $\frac{3}{8}$ inch
Fast Riveted Pins
Joint 2 inches
Screws $5\text{-}\frac{5}{8}\times 5$ Oval Head

Packed 1 Dozen Pair in a box with screws.

Weight Approx. Per Doz.
Pair $2\frac{3}{4}$ Pounds.



No. 1003
For Lipped Doors—
Offset $\frac{3}{8}$ inch—Joint 2 inches.



No. 1116
For Flush Doors—
Joint $1\frac{1}{2}$ inches.

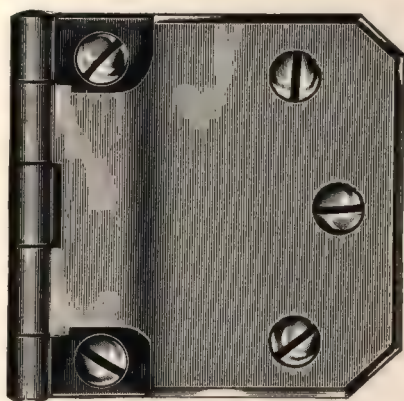
No. 1116
WROUGHT STEEL
PLATED

FOR FLUSH DOORS

Loose Pins
Joint $1\frac{1}{2}$ inches
Width Open $1\frac{3}{4}$ inches
Screws $4\text{-}\frac{5}{8}\times 5$ Oval Head

Packed 1 Dozen Pair in a box with screws.

Weight Approx. Per Doz.
Pair $1\frac{1}{2}$ Pounds



No. 1002
For Flush Doors—
Joint 2 inches.

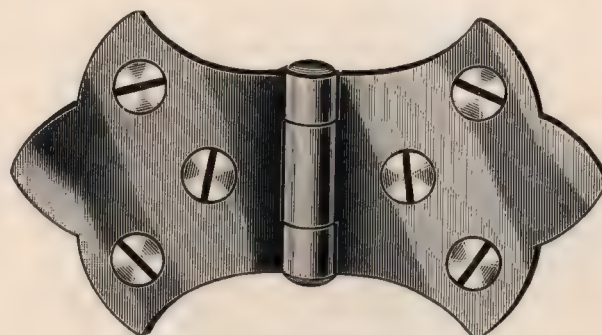
No. 1002
WROUGHT STEEL
PLATED

FOR FLUSH DOORS

Fast Riveted Pins
Joint 2 inches
Screws $5\text{-}\frac{5}{8}\times 5$ Oval Head

Packed 1 Dozen Pair in a box with screws.

Weight Approx. Per Doz.
Pair $2\frac{3}{4}$ Pounds.



No. 1032
For Flush Doors—Joint 1 inch.

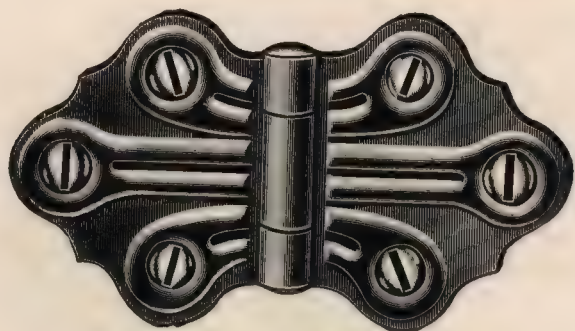
No. 1032
WROUGHT STEEL PLATED
FOR FLUSH DOORS

Fast Riveted Pins

Joint, Inches.....	1	$\frac{3}{4}$
Width Open, Inches.....	$3\frac{1}{8}$	$2\frac{3}{8}$
Screws, Flathead.....	$6\text{-}\frac{5}{8}\times 5$	$6\text{-}\frac{5}{8}\times 4$
Weight, Approx. Per Doz. Pair, Lbs.	$1\frac{3}{4}$	$\frac{7}{8}$

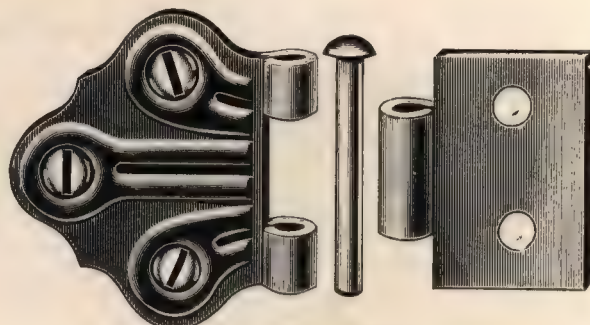
Packed 1 dozen pair in a box with Screws.

Ornamental Butt Hinges



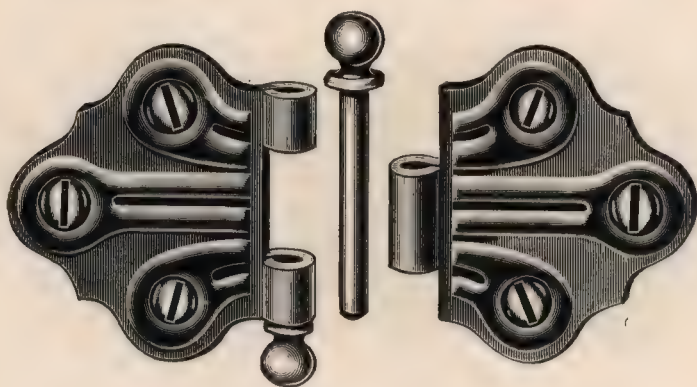
Wrought Steel—No. 1024
Wrought Brass—No. 1531
Full Surface—Riveted Pin

Joint $1\frac{1}{4}$ inches, Width Open $2\frac{7}{8}$ inches.
 Screws $6\frac{5}{8} \times 5$ Oval Head.
 Approximated Weight 2 Pounds Per Dozen Pair.



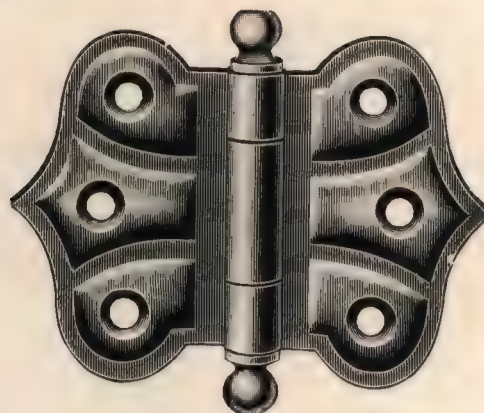
No. 1115
Wrought Steel—Loose Pin—
Half Surface

Joint $1\frac{1}{4}$ inches, Width Open $2\frac{5}{16}$ inches.
 Screws $3\frac{5}{8} \times 5$ Oval Head, $2\frac{5}{8} \times 5$ Flat Head.
 Approximated Weight 2 Pounds Per Dozen Pair.



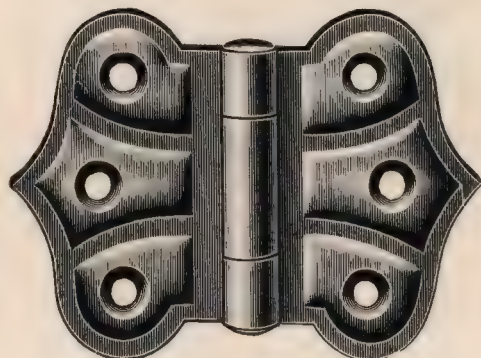
No. 919
Wrought Steel—Loose Pin—
Full Surface

Joint $1\frac{1}{4}$ inches, Width Open $2\frac{7}{8}$ inches.
 Screws $6\frac{5}{8} \times 5$ Oval Head.
 Approximated Weight 2 Pounds Per Dozen Pair.



No. 911
Wrought Steel—Loose Pin—
Full Surface

Joint $1\frac{1}{2}$ inches, Width Open $2\frac{1}{2}$ inches.
 Screws $6\frac{5}{8} \times 5$ Oval Head.
 Approximated Weight 2 Pounds Per Dozen Pair.

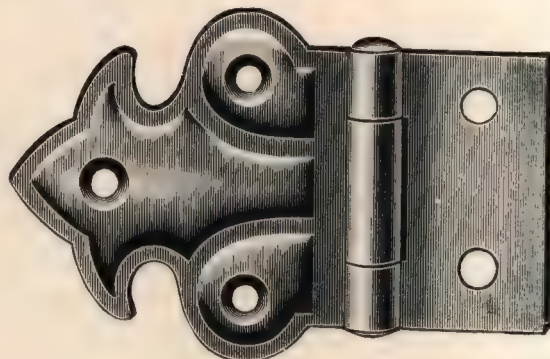


No. 1000
Wrought Steel—Riveted Pins—
Full Surface

Joint $1\frac{1}{2}$ inches, Width Open $2\frac{1}{2}$ inches.
 Screws $6\frac{5}{8} \times 5$ Oval Head.
 Approximated Weight 2 Pounds Per Dozen Pair.

For Cabinets, etc.
All numbers on this
page packed One
Dozen Pair in a Box
with Screws.

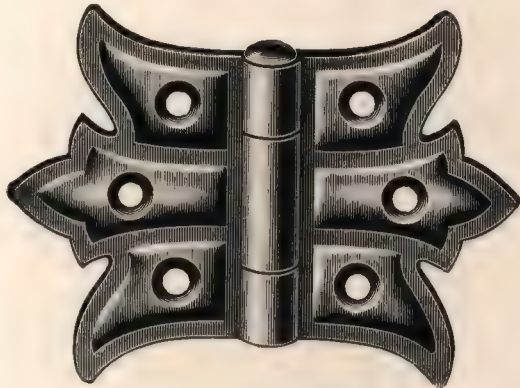
Full Shipping
Carton 20
Dozen Pair.



No. 912
Wrought Steel—Riveted Pins—
Half Surface

Joint $1\frac{1}{2}$ inches, Width Open $2\frac{3}{4}$ inches.
 Screws $3\frac{5}{8} \times 5$ Oval Head, $2\frac{5}{8} \times 5$ Flat Head.
 Approximated Weight 2 Pounds Per Dozen Pair.

Ornamental Butt Hinges



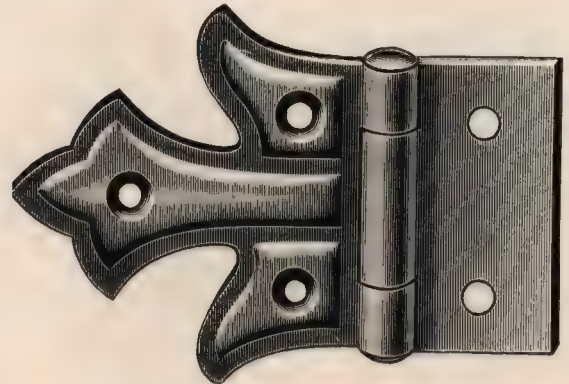
No. 1020

Wrought Steel—Full Surface—Riveted Pin
 Joint $1\frac{1}{2}$ inches, Width Open $2\frac{5}{8}$ inches.
 Screws $6\text{-}\frac{5}{8}\times 5$ Oval Head.
 Approximated Weight, 2 Pounds Per Dozen Pair.

**FOR CABINET
DOORS**

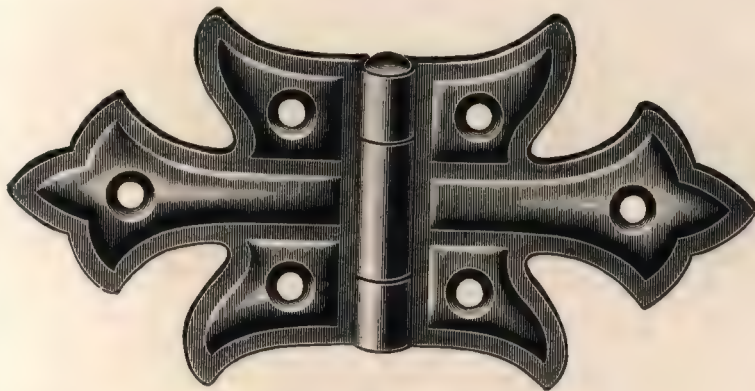
*All numbers
packed one dozen
pair in a box with
screws.*

*Full shipping
carton 20
Dozen Pair.*



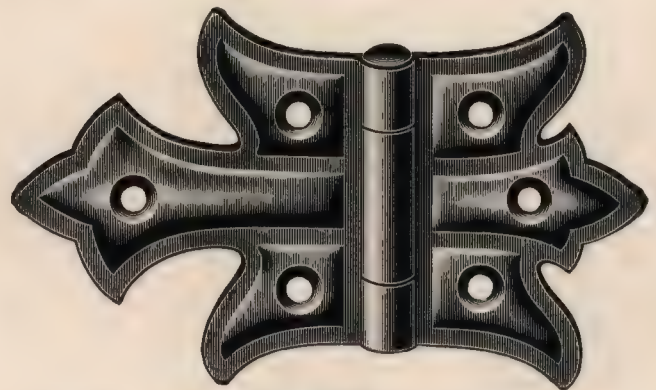
No. 1023

Wrought Steel—Full Surface—Riveted Pin
 Joint $1\frac{1}{2}$ inches, Width Open $2\frac{7}{8}$ inches.
 Screws $3\text{-}\frac{5}{8}\times 5$ Oval Head, $2\text{-}\frac{5}{8}\times 5$ Flat Head.
 Approximated Weight, 2 Pounds Per Dozen Pair.



No. 1021

Wrought Steel—Full Surface—Riveted Pin
 Joint $1\frac{1}{2}$ inches, Width Open 4 inches.
 Screws $6\text{-}\frac{5}{8}\times 5$ Oval Head.
 Approximated Weight, 2 Pounds Per Dozen Pair.



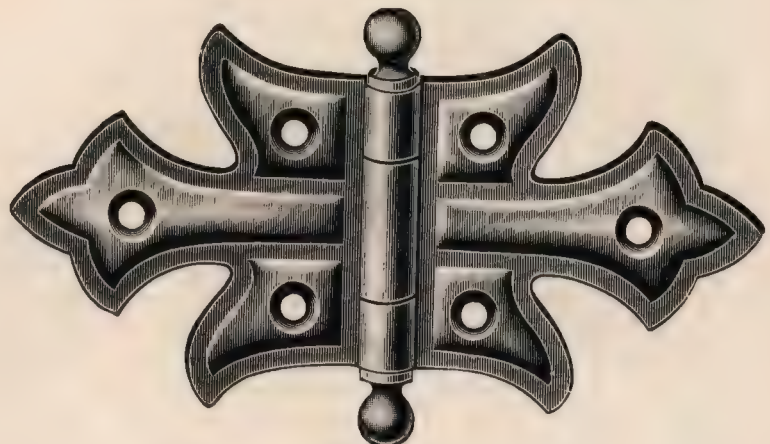
No. 1022

Wrought Steel—Full Surface—Riveted Pin
 Joint $1\frac{1}{2}$ inches, Width Open $3\frac{3}{8}$ inches.
 Screws $6\text{-}\frac{5}{8}\times 5$ Oval Head.
 Approximated Weight, 2 Pounds Per Dozen Pair.



No. 913

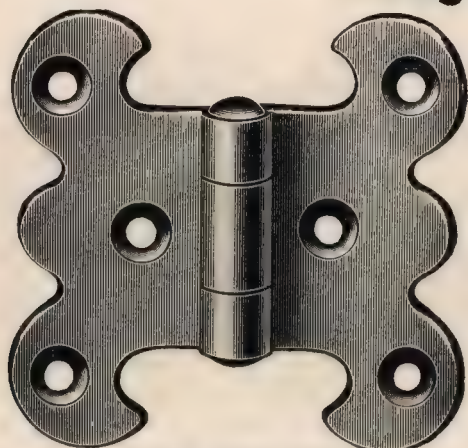
Wrought Steel—Full Surface—Riveted Pin
 Joint $1\frac{1}{2}$ inches, Width Open $2\frac{5}{8}$ inches.
 Screws $6\text{-}\frac{5}{8}\times 5$ Oval Head.
 Approximated Weight, 2 Pounds Per Dozen Pair.



No. 914

Wrought Steel—Full Surface—Riveted Pin
 Joint $1\frac{1}{2}$ inches, Width Open 4 inches.
 Screws $6\text{-}\frac{5}{8}\times 5$ Oval Head.
 Approximated Weight, 2 Pounds Per Dozen Pair.

Hinges for Refrigerator Doors



Cut of $2\frac{1}{2} \times 2\frac{1}{2}$ inch
No. 1014
Flat Back—No Offset

FOR REFRIGERATOR DOORS

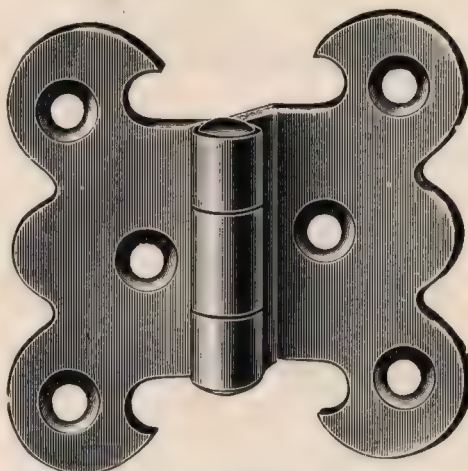
Fast Riveted Pins—Flat Back

No. 1034 Wrought Steel

No. 1036 Wrought Brass

Packed One Dozen Pair in a Box with Screws

Size Open (Inches).....	6 $\frac{1}{4}$
Joint Inch	1 $\frac{3}{4}$
Screws	$\frac{3}{4} \times 8$
Weight Approximated Per Dozen Pair, Pounds	7



Cut of $2\frac{1}{2} \times 2\frac{1}{2}$ inch
No. 1016
Offset $\frac{7}{16}$ Inch

FOR REFRIGERATOR DOORS

Fast Riveted Pins—One Leaf— $\frac{7}{16}$ Offset

No. 1035 Wrought Steel

No. 1037 Wrought Brass

Packed One Dozen Pair in a Box with Screws

Size Open (Inches).....	6 $\frac{1}{4}$
Joint Inch	1 $\frac{3}{4}$
Screws	$\frac{3}{4} \times 8$
Weight Approximated Per Dozen Pair, Pounds	7

REFRIGERATOR SURFACE HINGES

Fast Riveted Pins—Flat Back

No. 1014 Wrought Steel

No. 1015 Wrought Brass

Packed One Dozen Pair in a Box with Screws

Size Open (Inches).....	1 $\frac{3}{4} \times 1\frac{1}{4}$	2 $\frac{1}{2} \times 2\frac{1}{2}$	3x3
Joint Inch	$\frac{7}{8}$	1	1 $\frac{3}{4}$
Screws	$\frac{5}{8} \times 5$	$\frac{3}{4} \times 7$	$\frac{3}{4} \times 8$
Gauge Metal .....	.077	.089	.101
Weight Approximated Per Dozen Pair, Pounds	1 $\frac{5}{8}$	3 $\frac{3}{4}$	6



No. 1034
Length Over All $6\frac{3}{4}$ inches; Width at Joint $1\frac{3}{4}$ inches
Width of T Part $2\frac{7}{8}$ inches
Flat Back—No Offset

FOR REFRIGERATOR DOORS

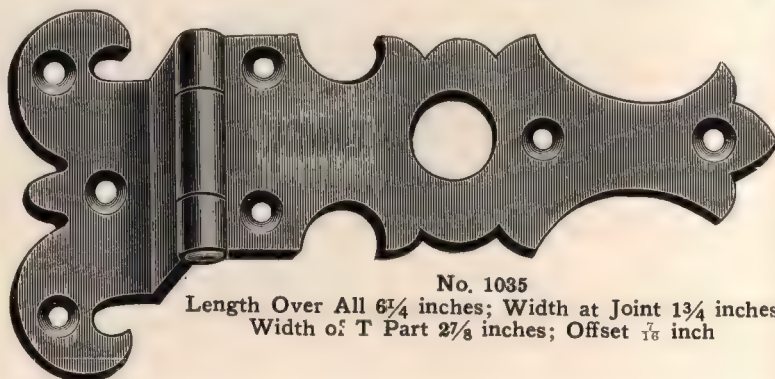
Fast Riveted Pins—One Leaf— $\frac{7}{16}$ Offset

No. 1016 Wrought Steel

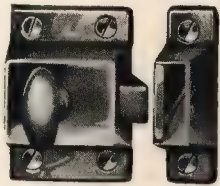
No. 1017 Wrought Brass

Packed One Dozen Pair in a Box with Screws

Size Open (Inches).....	1 $\frac{3}{4} \times 1\frac{3}{4}$	2 $\frac{1}{2} \times 2\frac{1}{2}$	3x3
Joint Inch	$\frac{7}{8}$	1 $\frac{5}{16}$	1 $\frac{3}{4}$
Offset, inch	$\frac{7}{16}$	$\frac{7}{16}$	$\frac{7}{16}$
Screws	$\frac{5}{8} \times 5$	$\frac{3}{4} \times 7$	$\frac{3}{4} \times 8$
Gauge Metal .....	.077	.089	.101
Weight Approximated Per Dozen Pair, Pounds	1 $\frac{5}{8}$	3 $\frac{3}{4}$	6



No. 1035
Length Over All $6\frac{1}{4}$ inches; Width at Joint $1\frac{3}{4}$ inches
Width of T Part $2\frac{7}{8}$ inches; Offset $\frac{7}{16}$ inch

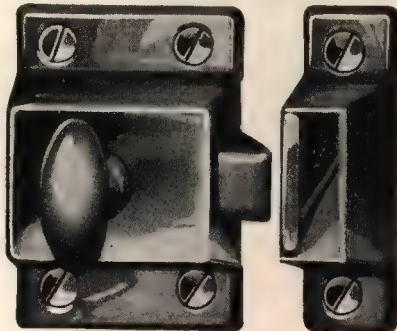
Cupboard Turns**WROUGHT STEEL—Small**

No. 1430

No. 1430

All Plated Finishes
Cadmium Plated-CP*Packed 1 Dozen Per Box
With Screws.*

Weight Per Gross, 15½ Pounds.

WROUGHT STEEL—Large

No. 1431

No. 1431

All Plated
Finishes
Cadmium
Plated-CP*Packed 1 Dozen
Per Box With
Screws.*Weight Per Gross,
19 Pounds.**Cabinet Sets**1 Pair Ornamental Hinges
1 only Cupboard TurnSpecify Style Number on Ornamental Hinges
and Cupboard Turn.*Packed complete 1 set in a Box With Screws.*

Weight Per Dozen Sets, 3½ Pounds.

Friction Catch

No. 1432

Wrought Steel

No. 1432

All Plated Finishes
Cadmium Plated-CP*Packed 3 Dozen Pair Per Box
With Screws.*

Weight Per Gross, 5½ Pounds.

Screen Door Check

SPEED ADJUSTMENT

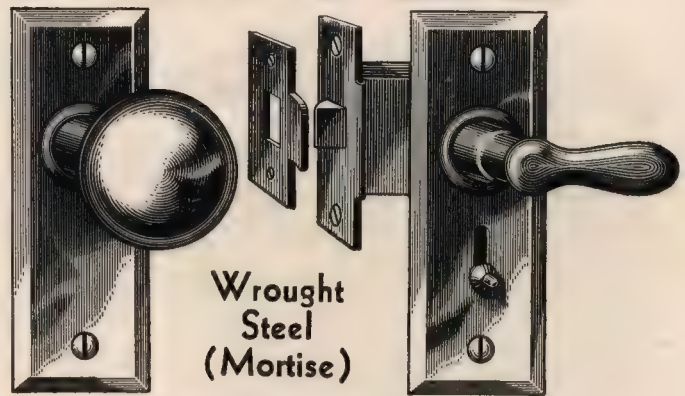
SPRING TENSION ADJUSTMENT

No. 6-DB

DULL BRASS FINISH*Packed 1 Complete Check in a Box with Screws.*

Weight Per Dozen, 16 Pounds.

1 Dozen in a Case.

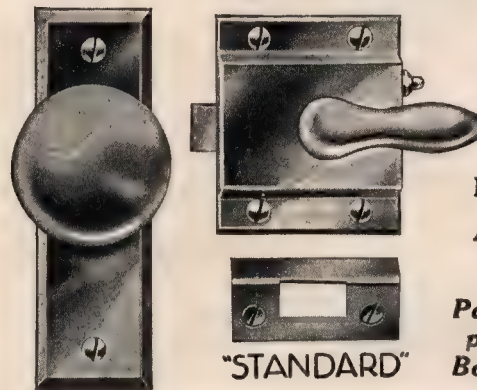
No. 6—Brass Metal Tube—Oil Tempered Spring—
Spring Tension Adjustment—No tools required to
remove check on taking doors down. Easy to operate
and install.**Screen Door Latch Sets****Wrought
Steel
(Mortise)**

No. 4—Reversible (Mortise)

ALL PLATED FINISHES*Packed 1 Complete Set in a Box with Screws.*

Weight Per Dozen Sets, 8 Pounds.

Full Case, 2 Dozen Sets.

**Wrought
Steel
(Rim)**

No. 5—(Rim)

**ALL PLATED
FINISHES***Packed 1 Com-
plete Set in a
Box with Screws.*

Weight Per Dozen, 6 Pounds. Full Case, 2 Dozen Sets.

**Ball Bearing Double
Acting Floor Hinge****WROUGHT STEEL**

No. 1433

No. 1433

All Plated Finishes
For 1⅛ to 1¾ inch
Doors

Beveled Edge

Reversible Side

Plate 9½x2⅜ inches.
Floor Plate 4x3 in.*Packed 1 set in a Box With Screws.*

25 Sets in a Case.

Holds the Door Open at 95 Degrees.

Weight Per Hinge, 2½ Pounds.

Wrought Steel Push Plate

No. 1434

All Plated Finishes.

Beveled Edges

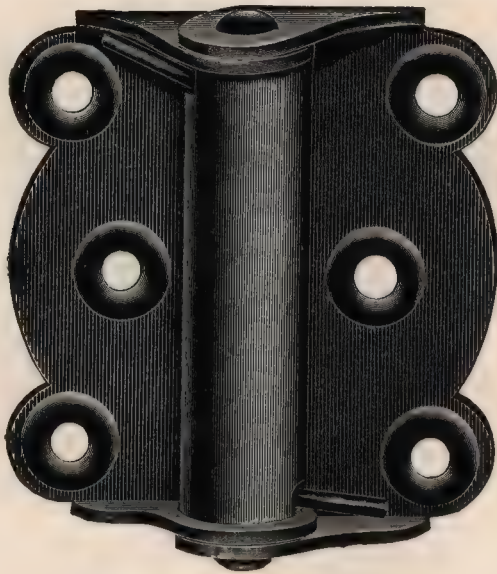
Size 3x10 inches.

Packed ½ Dozen in a Box With Screws.

Weight Per Dozen, 4 Pounds.



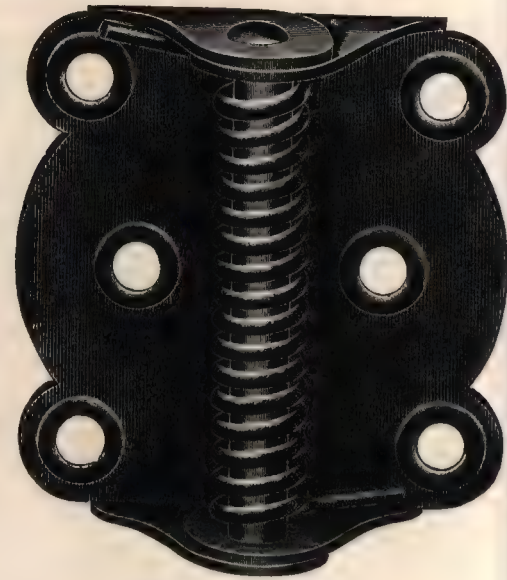
Screen Door Hardware



Standard

Wrought Steel
Riveted Pins
Special Heavy Springs
For Use on Screen Doors
or on Small Light Doors

Packed 6 Pair in a Paper Box
J—Japanned—Without Screws
CP—Cadmium—Without Screws
Plated—With Screws
 $\frac{1}{2}$ Gross Pair in a Full Carton



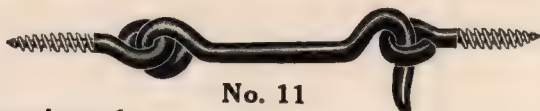
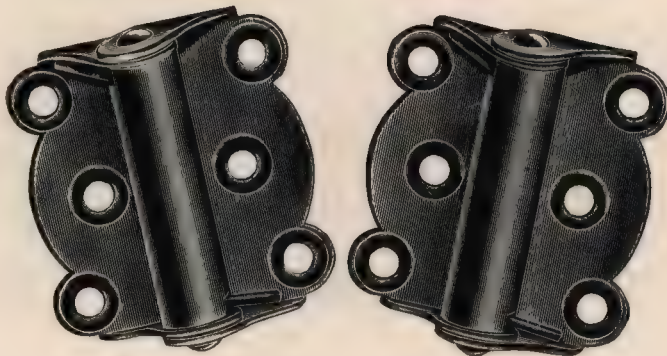
No. 1

Size Open..... $3 \times 2\frac{1}{2}$	Screws $6\text{-}\frac{3}{4} \times 8$
Weight Per Gross Pair, Pounds .....100	Gross Pair in a Full Carton $\frac{1}{2}$

No. 2

Size Open..... $3 \times 2\frac{1}{2}$	Screws $6\text{-}\frac{3}{4} \times 8$
Weight Per Gross Pair, Pounds .....80	Gross Pair in a Full Carton $\frac{1}{2}$

Standard Wrought Steel Sets

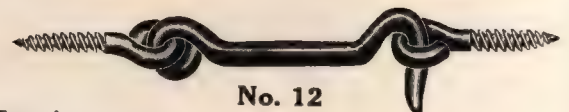
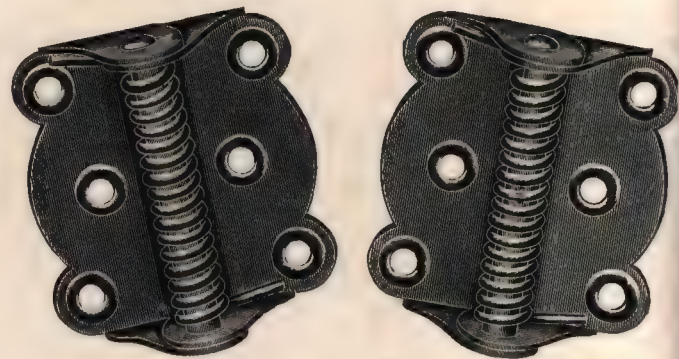


No. 11

Set Consists of:

1 Pair of No. 1 Hinges
1 Handle
1— $2\frac{1}{2}$ inch Gate Hook and Eye
 $\frac{1}{2}$ Gross Sets in a Full Carton.
Weight of Full Carton 68 Pounds.
Packed 1 Set in a box with Screws.

Finishes: Japanned, Plated, Cadmium Plated.

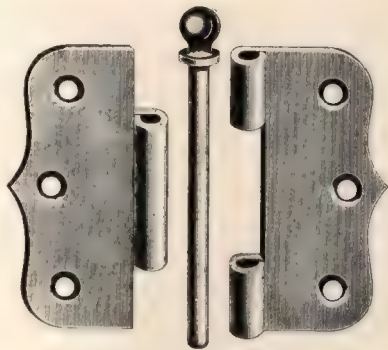


No. 12

Set Consists of:

1 Pair of No. 2 Hinges
1 Handle
1— $2\frac{1}{2}$ inch Gate Hook and Eye
 $\frac{1}{2}$ Gross Sets in a Full Carton.
Weight of Full Carton 50 Pounds.
Packed 1 Set in a box with Screws.

Screen Hardware



No. 1018

WROUGHT STEEL

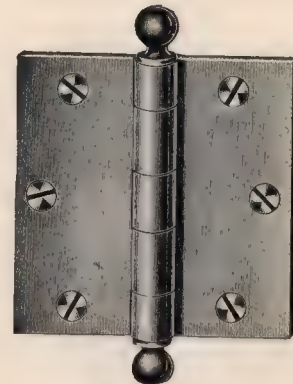
Full Surface

Size Open (Inches).....	2½x2½	3x3
Screws	¾x8	¾x8
Gauge .....	.082	.092
Dozen Pair in a paper box.....	1	1
Weight Per Dozen Pair, Pounds..	5½	7½

One-Half Dozen Pairs in a box, with wood Screws.

Loose Pins

For use on Screen Doors
or other Light Weight
Doors



No. 1518

WROUGHT BRASS

Full Mortise, Loose Pin

Size Open, (Inches)	2½x2½	3x3	3½x3½	4x4
Screws	6-¾x7	6-¾x8	6-1x8	8-1x9
Gauge .....	.087	.092	.101	.107
Weight per 100 Pair				
Pounds	60	80	120	165

*Packed 1 pair in a box with Screws,
except 2½x2½ 3 pair.*

Wrought Steel Screen Door Sets

No. 2750

A Set Consists of:

- 1 Pair of 3x3 No. 1018 Full Surface Hinges
 - 1 Door Pull
 - 1 2½ inch Wire Gate Hook and Eye
 - 1 No. 3 Perfection Door Spring
- Screws included.



No. 2752

A Set Consists of:

- 1 Pair of 2½x2½ No. 1018 Full Surface Hinges
 - 1 Door Pull
 - 1 2½ inch Wire Gate Hook and Eye
 - 1 No. 2 Perfection Door Spring
- Screws included.

Finishes—JAPANNED—CADMIUM PLATED

Packed one set complete in a kraft paper box with screws.

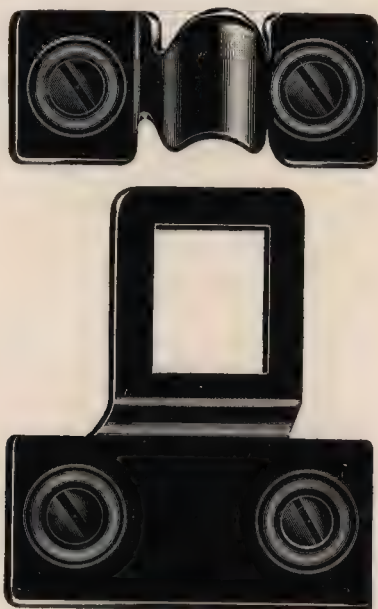
One-half gross sets in a shipping carton.

No. 2750 Full carton weighs 73 Pounds.

No. 2752 Full carton weighs 57 Pounds.

Screen and Storm Hangers

For Full Length Screens



No. 20

Can be used for Flush Frames or Offset by reversing Hook. Full carton 2 gross sets, 57 pounds.

Screen Hangers

Packed 1 dozen sets in a paper carton with screws.

2 gross sets in a full shipping carton.

Finishes—
JAPANNED-J
and CADMIUM
PLATED-CP.

A set is 2 complete Hangers with screws.

For Full Length Screens



No. 23

Offsets are $\frac{1}{8}$ inch and $\frac{3}{8}$ inch and Offset wanted must be specified. Full carton 2 gross sets, 67 pounds.

Storm Sash Hanger (Heavy)

For Full Length Sash.

Packed one dozen sets in a paper carton with screws.

2 Gross sets in a full shipping carton.

Finishes—JAPANNED-J
and CADMIUM
PLATED-CP.

Full Carton
2 Gross Sets, 80 Pounds.



No. 22

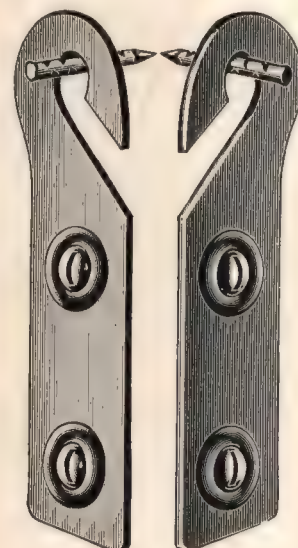
For Half Length Screens

Screen Hanger for Half Length Screens. Packed 1 dozen sets in a paper carton with screws and dowel pins complete.

2 Gross Sets in a full Shipping Carton.

Finishes—JAPANNED-J
and CADMIUM
PLATED-CP

Full carton
2 Gross Sets, 40 Pounds.



No. 21

A $1\frac{1}{2}$ Hook and Eye can be included in all sets on this page at small additional cost.

No. 3 Wrought Steel Screen Corner Braces

Re-inforced by Fabricating



No. 3 WROUGHT STEEL SCREEN CORNER BRACES

These screen corner braces have been designed especially for both screens and screen doors. They are formed so that anyone can apply them to the frames making a very strong and rigid frame.

The re-inforcing by fabricating strengthens the corner brace so that it is next to impossible to bend or get the corner brace out of alignment.

A set consists of four corner braces.

*Packed one set of four corner braces complete on a display card.
One dozen sets in a box.*

Finishes—JAPANNED-J—CADMIUM PLATED-CP

No. 3, one set on display card without screws.

No. WS-3, one set in a box with $\frac{1}{2}$ in. No. 6 wood screws.

Packed for shipment 6 dozen sets in a carton.

Weight shipping carton No. 3, 6 dozen sets without screws 43 pounds.

Weight shipping carton No. WS-3, 6 dozen sets with $\frac{1}{2}$ in. No. 6 screws 45 pounds.

Wrought Steel Storm Sash Fasteners



No. 24

No. 24-J—Japanned

No. 24-CP—Cadmium Plated

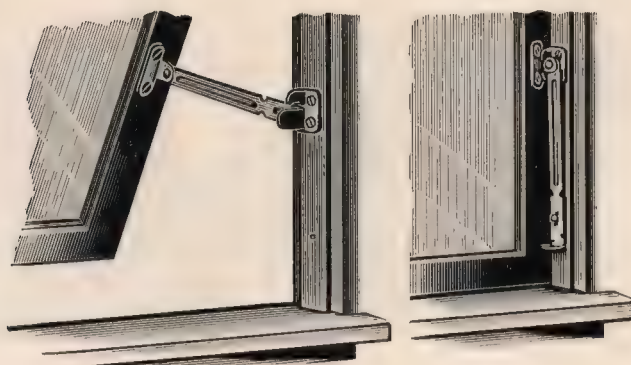
*Packed One Dozen Sets in a Box
with Screws.*

2 Complete Fasteners to a Set.

Size Length (Inches)..... 10

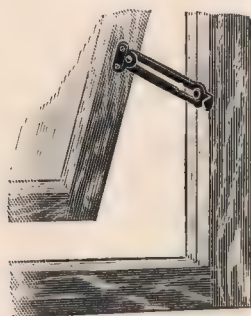
Size of Screws..... $\frac{3}{4} \times 6$

Weight Per Gross Sets, Lbs. 68



Sash Opened.

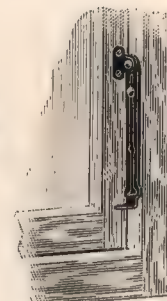
Sash closed and fastened.



Sash Open



No. 25



Sash Closed

Reversible can be used either right or left side

No. 25-J—Japanned

No. 25-CP—Cadmium Plated

Packed One Dozen Sets in a Box with Screws.

2 Complete fasteners to a set.

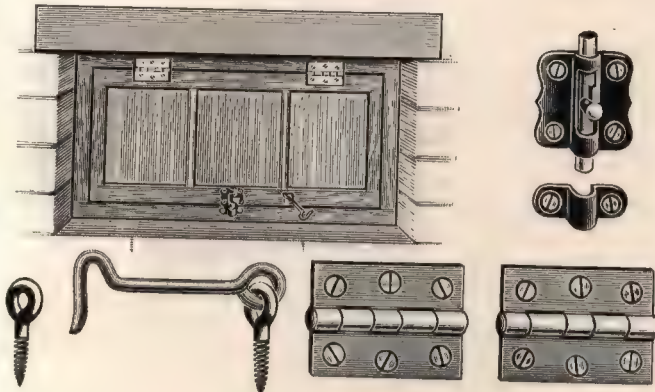
Size Length (Inches)..... 10

Size of Screws..... $\frac{3}{4} \times 6$

Weight Per Gross Sets, Pounds..... 65

Steel Cellar Window Sets

Japanned - J and Cadmium Plated - CP Finishes



Nos. 2759—2760

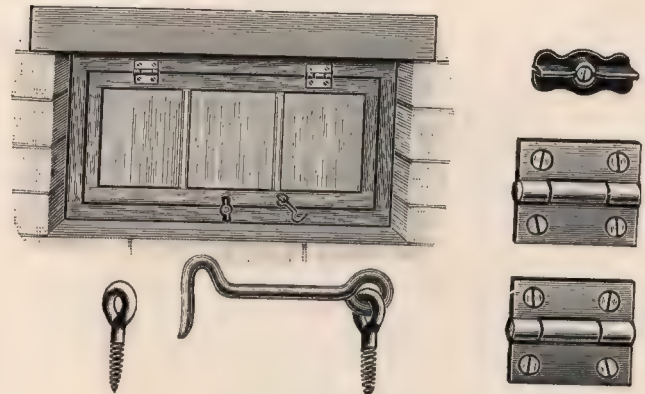
No. 2759 Consists of the Following:

- 1 Pair 2½ inch Steel Butts
- 1—2½ inch Gate Hook and Eye
- 1—2½ inch Bolt and Screws

No. 2760—Same as above except with 2 Bolts.

No. 2754—Same as No. 2760 except 3 inch Steel Butts.

All packed 1 set in a package with screws. 12 sets in a paper box.



Nos. 2758—2761

No. 2758 Consists of the Following:

- 1 Pair 2 inch Steel Butts
- 1—2½ inch Gate Hook and Eye
- 1—1¾ inch Door Button and Screws

No. 2761—Same as No. 2758 except with two Door Buttons instead of one.

All packed 1 set in a package with screws. 12 sets in a paper box.



Nos. 2756—2757

No. 2756 Consists of the Following:

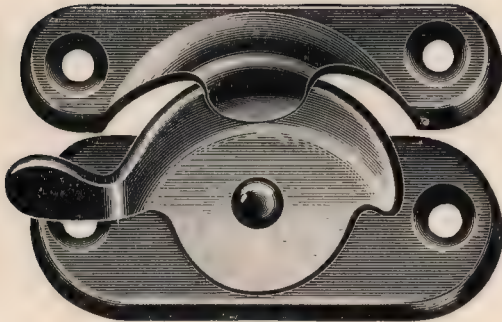
- 1 Pair 2½ inch Steel Butts
- 1—2½ inch Gate Hook and Eye
- 1 Sash Lock and Screws

No. 2757—Same as No. 2756 except with 2 inch Steel Butts instead of 2½ inch.

All packed 1 set in a package with screws. 12 sets in a paper box.

Wrought Steel Window Hardware

Wrought Steel Sash Locks All Plated Finishes



No. 1485

No. 1485—With Friction Bearing Action.

CP—Cadmium Plated

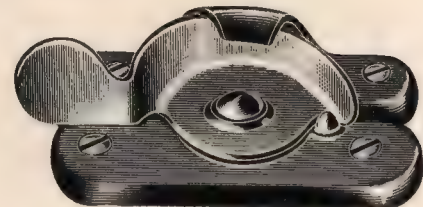
This Sash Lock is made of cold rolled steel, with friction bearing action, so that the pivot part is held in either locked or unlocked position.

This lock will pull the windows together very tight and will positively not get out of order.

MADE IN ALL FINISHES.

Packed One Dozen in a Box with Screws finished to match, 2 gross in a Carton.

Weight per gross, 21 Pounds.



No. 1487

No. 1487—With Spring Action.

CP—Cadmium Plated

This Sash Lock is made of cold rolled steel with spring action so pivot part is held either in locked or unlocked position.

Packed 1 Dozen in a Box with Screws.

Weight per gross, 21 Pounds.

Wrought Steel Hook Sash Lift All Plated Finishes



No. 1486

No. 1486

CP—Cadmium Plated

Width of plate $1\frac{5}{8}$ inches.

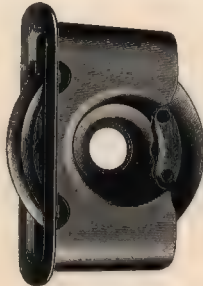
Packed 3 Dozen Per Box with Screws.

Full carton 60 dozen.

Weight per dozen, $3\frac{3}{5}$ Pound.

Wrought Steel, Sash Pulleys

Wrought Steel, Sash Pulleys, Cone Bearing *Cadmium Plated*

**No. 1105**

2 inch wheel, $1\frac{1}{8} \times 2\frac{1}{8}$ inch face.
Full Barrel 100 dozen, weight 172 pounds.

**No. 1109**

2 inch wheel, $1\frac{1}{8} \times 2\frac{1}{8}$ inch face.
Full Barrel 100 dozen, weight 185 pounds.

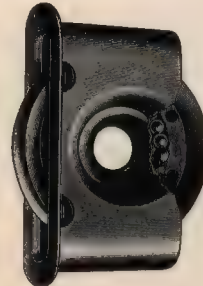
**No. 1110**

2 inch wheel, 1x3 inch face.
Full Barrel 100 dozen, weight 184 pounds.

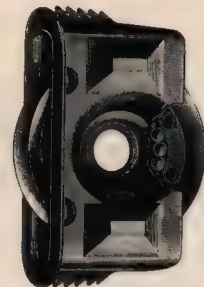
**No. 1175**

2 inch wheel, $1\frac{1}{8} \times 2\frac{1}{8}$ inch face.
Full Barrel 100 dozen, weight 180 pounds.

Wrought Steel, Sash Pulleys, Ball Bearing *Cadmium Plated*

**No. BB-1105**

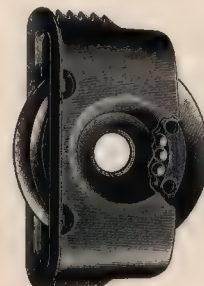
2 inch wheel, $1\frac{1}{8} \times 2\frac{1}{8}$ inch face.
Full Barrel 100 dozen, weight 200 pounds.

**No. BB-1109**

2 inch wheel, $1\frac{1}{8} \times 2\frac{1}{8}$ inch face.
Full Barrel 100 dozen, weight 213 pounds.

**No. BB-1110**

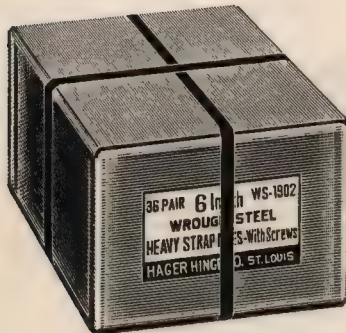
2 inch wheel, 1x3 inch face.
Full Barrel 100 dozen, weight 212 pounds.

**No. BB-1175**

2 inch wheel, $1\frac{1}{8} \times 2\frac{1}{8}$ inch face.
Full Barrel 100 dozen, weight 208 pounds.

Strap and T Hinges and Hinge Hasps

In Boxes with Screws

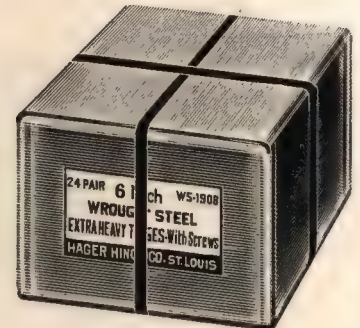


Shipping Carton

*Small shipping cartons containing
HAGER HINGES
packed in wire stitched boxes with screws.*

**SELL ORIGINAL PACKAGES
EASIER HANDLED**

*Less Warehouse Space. Less shipping weight.
MORE PROFIT. STANDARD WEIGHTS.*



Shipping Carton



Packed One Pair Hinges in a Box, with Screws

Contents of Full Shipping Cartons.

	Boxed, with Screws, Size, Inches.....	3	4	5	6	8	10	12
No. WS-1900	Light Strap Hinges.....	100	100	50	50	50	25	25 Pairs
	Average weight per carton, Pounds.....	33	40	48	52	60	55	85
No. WS-1902	Heavy Strap Hinges.....	..	50	50	36	25	10	10 Pairs
	Average weight per carton, Pounds.....	..	38	46	64	76	60	80
No. WS-1904	Light T Hinges.....	100	100	50	50	50	50	30 Pairs
	Average weight per carton, Pounds.....	30	34	28	45	50	73	65
No. WS-1906	Heavy T Hinges.....	..	50	50	50	50	35	25 Pairs
	Average weight per carton, Pounds.....	..	30	45	52	61	70	73
No. WS-1908	Extra Heavy T Hinges.....	..	50	50	24	15	10	10 Pairs
	Average weight per carton, Pounds.....	..	42	75	52	55	55	88
	Boxed, with Screws. Size (Inches)....	3	4½	..	6	8	10	12
No. WS-1912	Hinge Hasps	200	100	..	50	50	50	50 Single
	Average carton weighs, Pounds.....	60	30	..	37	32	60	73
No. WS-1915	Safety Hasps	200	100	..	50	..	..	Single
	Average carton weighs, Pounds.....	65	36	..	40	..	..	..
	Hinges Packed, with Nails, Inches	..	..	..	6	8	10	12
No. WN-1902	Heavy Strap .....	..	..	..	36	25	10	10
No. WN-1908	Extra Heavy T.....	..	..	..	24	15	10	10

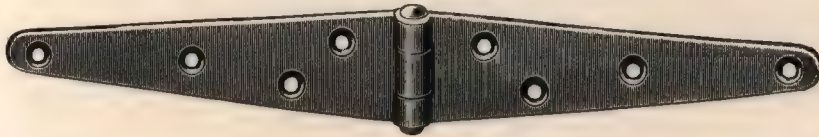
An easy and convenient way of handling Hinges. The correct number, size and length of screws are wrapped in paper packages and packed with the Hinges in a pasteboard box.

For full information on above items see description on pages immediately following.

Wrought Steel Strap Hinges

Standard

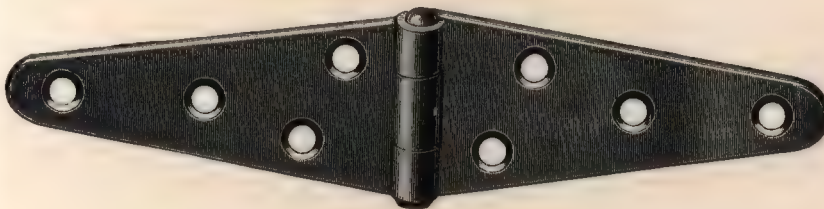
Light Strap Hinges



Wrought Steel
Light Strap Hinges
No. 1900—Plain Steel
No. 1900-J—Japanned
No. 1900-CP—Cadmium Plated
No. 1300—Galvanized, with Steel Pin
No. 1300 $\frac{1}{4}$ —Galvanized, with Brass Pin

Size (Length Each Leaf) Inches.....	2	3	4	5	6	8	10	12
Length Open Overall.....	4	6	8	10	12	16	20	24
Width of Joint.....	1	1 $\frac{3}{8}$	1 $\frac{1}{8}$	1 $\frac{1}{8}$	1 $\frac{9}{8}$	1 $\frac{7}{8}$	2 $\frac{3}{8}$	2 $\frac{3}{4}$
Size of Screw.....	$\frac{5}{8}$ x5	$\frac{3}{4}$ x6	$\frac{3}{4}$ x7	1x8	1x9	1x10	1 $\frac{1}{4}$ x10	1 $\frac{1}{4}$ x12
Number of Screw Holes.....	6	6	6	8	8	8	8	8
Average Weight Per Dozen Pairs, Pounds...	13 $\frac{3}{8}$	23 $\frac{3}{8}$	4	6	9	15	22	38
Carton Packing no screws, Dozen Pair in Box	1	1	1	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	1/12	1/12
Dozen Pairs in a Shipping Carton.....	25	25	20	10	6	3	3	2
Barrels, Dozen Pair Full Barrels.....	300	225	200	100	65	40	30	20

Heavy Strap Hinges



Wrought Steel
Heavy Strap Hinges
No. 1902—Plain Steel
No. 1902-J—Japanned
No. 1902-CP—Cadmium Plated
No. 1302—Galvanized, with Steel Pin
No. 1302 $\frac{1}{4}$ —Galvanized, with Brass Pin

Size (Length Each Leaf) Inches.....	4	5	6	8	10	12	14	16
Length Open Overall.....	8	10	12	16	20	24	28	32
Width of Joint.....	1 $\frac{9}{16}$	1 $\frac{3}{4}$	2 $\frac{5}{8}$	3 $\frac{3}{16}$	3 $\frac{1}{8}$	4 $\frac{9}{16}$	4 $\frac{3}{4}$	4 $\frac{3}{4}$
Size of Screw.....	1x9	1x10	1 $\frac{1}{4}$ x11	1 $\frac{1}{4}$ x12	1 $\frac{1}{2}$ x14	1 $\frac{1}{2}$ x14	1 $\frac{1}{2}$ x14	1 $\frac{1}{2}$ x14
Number of Screw Holes.....	6	8	8	8	8	10	10	..
Average Weight Per Dozen Pairs, Pounds...	6	9 $\frac{1}{2}$	19	34	55	88	120	140
Carton Packing no screws, Dozen Pair in Box	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{4}$	$\frac{1}{4}$	1/12	1/12	..	..
Dozen Pairs in a Shipping Carton.....	10	5	4	2	1	1	..	..
Barrels, Dozen Pair Full Barrels.....	100	70	40	20	11	7	5	4

Packing Information on Hinges boxed with Screws on Page 72

Wrought Steel T Hinges - Standard



Light T Hinges

WROUGHT STEEL LIGHT T HINGES

No. 1904—Plain Steel

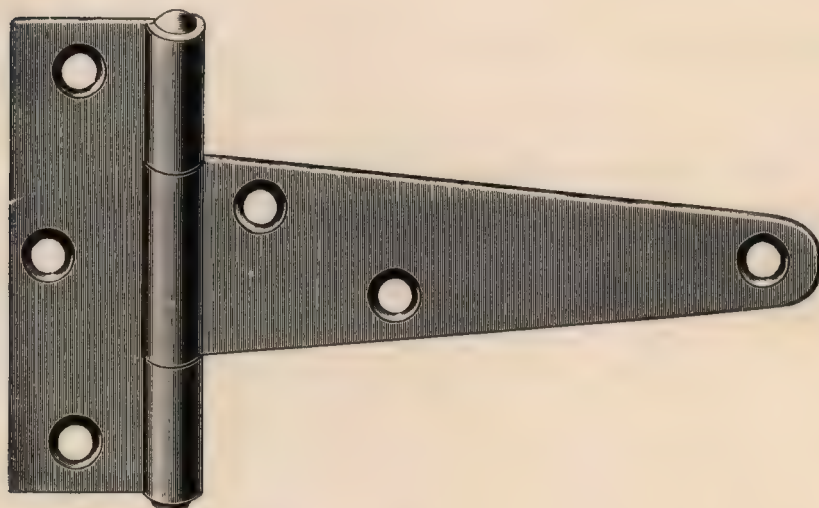
No. 1904-J—Japanned

No. 1904-CP—Cadmium Plated

No. 1303—Galvanized, with Steel Pin

No. 1303 $\frac{1}{4}$ —Galvanized, with Brass Pin

Size (Length of Strap) Inches.....	2	3	4	5	6	8	10	12	14	16
Length of Joint.....	2	2 $\frac{3}{8}$	2 $\frac{5}{8}$	3	3 $\frac{1}{4}$	4	4 $\frac{1}{2}$	4 $\frac{3}{4}$	6	6
Width of Pad.....	$\frac{1}{2}$	$\frac{3}{4}$	$\frac{3}{4}$	$\frac{7}{8}$	$\frac{7}{8}$	1	1 $\frac{1}{4}$	1 $\frac{1}{2}$	2 $\frac{1}{4}$	2 $\frac{1}{4}$
Width of Strap at Joint.....	$\frac{7}{8}$	1	1 $\frac{1}{8}$	1 $\frac{3}{8}$	1 $\frac{1}{4}$	1 $\frac{7}{8}$	1 $\frac{3}{8}$	1 $\frac{5}{8}$	2 $\frac{1}{8}$	2 $\frac{1}{8}$
Size of Screw.....	$\frac{5}{8}$ x5	$\frac{3}{4}$ x6	$\frac{3}{4}$ x7	1x8	1x8	1x9	1 $\frac{1}{4}$ x10	1 $\frac{1}{4}$ x11	1 $\frac{1}{2}$ x12	1 $\frac{1}{2}$ x12
Number of Screw Holes.....	6	6	6	7	7	7	8	8	..	..
Average Weight Per Dozen Pair, Pounds..	1 $\frac{1}{2}$	2 $\frac{3}{4}$	3 $\frac{1}{2}$	4 $\frac{7}{8}$	6 $\frac{1}{4}$	9 $\frac{3}{8}$	14	20 $\frac{1}{2}$	33	38
Carton packing no screws, Doz. Pair in a box	1	1	1	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	1/12	1/12	..	..
Dozen Pair in full shipping carton.....	25	25	15	10	10	5	3	2	..	..
Dozen Pair in full barrel.....	300	200	150	100	50	40	30	20	15	15



Heavy T Hinges

WROUGHT STEEL HEAVY T HINGES

No. 1906—Plain Steel

No. 1906-J—Japanned

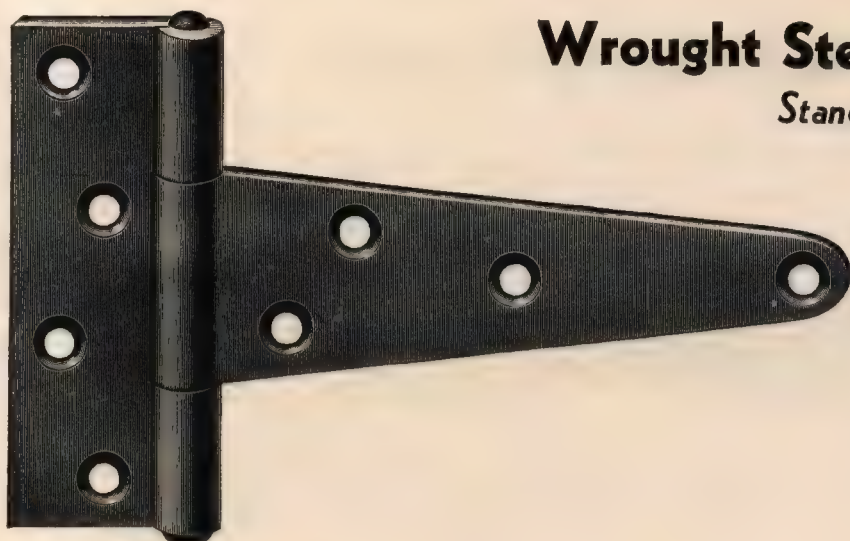
No. 1906-CP—Cadmium Plated

No. 1304—Galvanized, with Steel Pin

No. 1304 $\frac{1}{4}$ —Galvanized, with Brass Pin

Size (Length of Strap) Inches.....	4	5	6	8	10	12	14	16	18
Length of Joint.....	2 $\frac{7}{8}$	3 $\frac{1}{4}$	3 $\frac{1}{2}$	3 $\frac{7}{8}$	4 $\frac{1}{2}$	5 $\frac{1}{2}$	6	6	6
Width of Pad.....	$\frac{7}{8}$	1 $\frac{1}{8}$	1 $\frac{3}{8}$	1 $\frac{3}{8}$	1 $\frac{1}{2}$	2	2 $\frac{1}{4}$	2 $\frac{1}{4}$	2 $\frac{1}{4}$
Width of Strap at Joint.....	1 $\frac{5}{8}$	1 $\frac{3}{8}$	1 $\frac{1}{2}$	1 $\frac{3}{8}$	1 $\frac{1}{2}$	2 $\frac{1}{4}$	2 $\frac{1}{8}$	3 $\frac{1}{8}$	3 $\frac{1}{8}$
Size of Screw.....	1x8	1x8	1x9	1x10	1 $\frac{1}{4}$ x11	1 $\frac{1}{4}$ x12	1 $\frac{1}{2}$ x14	1 $\frac{1}{2}$ x14	1 $\frac{1}{2}$ x14
Number of Screw Holes.....	6	7	7	7	8	9	11	11	11
Average Weight Per Dozen Pair.....	4 $\frac{1}{2}$	7 $\frac{5}{8}$	9	12	20	33	43	48	54
Carton packing no screws, Doz. Pair in a box	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	1/12	1/12	..	..	..
Dozen Pair in full shipping carton.....	15	10	6	5	3	2	..	..	..
Dozen Pair in full barrel.....	75	60	50	40	30	15	10	10	5

Packing Information on Hinges boxed with Screws on Page 72



Wrought Steel T Hinges

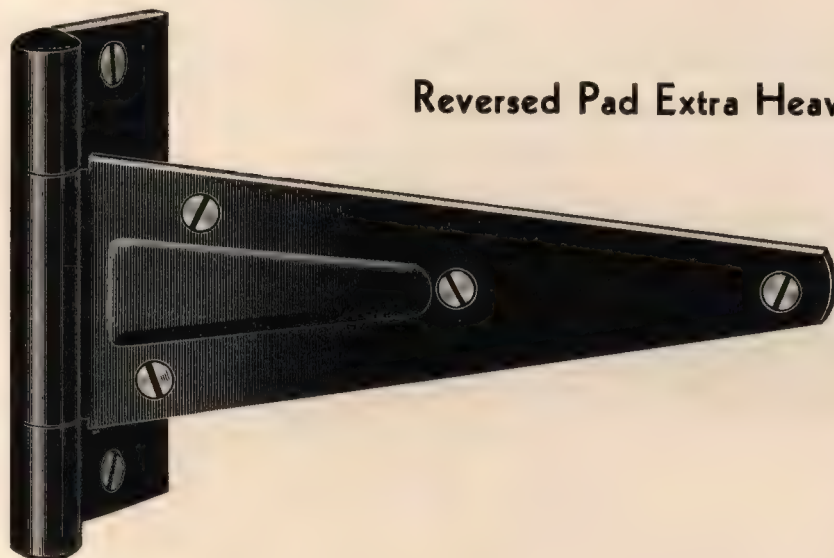
Standard

Extra Heavy T Hinges

WROUGHT STEEL EXTRA HEAVY T HINGES

No. 1908—Plain Steel
No. 1908-J—Japanned
No. 1908-CP—Cadmium Plated
No. 1306—Galvanized, with Steel Pin
No. 1306 $\frac{1}{4}$ —Galvanized, with Brass Pin

Size (Length of Strap) Inches.....	4	5	6	8	10	12	14	16	18
Length of Joint.....	3 $\frac{1}{2}$	3 $\frac{3}{8}$	4 $\frac{1}{2}$	5 $\frac{1}{2}$	7	7 $\frac{3}{4}$	7 $\frac{3}{4}$	7 $\frac{3}{4}$	7 $\frac{3}{4}$
Width of Pad.....	1 $\frac{1}{4}$	1 $\frac{9}{16}$	1 $\frac{3}{4}$	2 $\frac{1}{8}$	2 $\frac{1}{4}$	2 $\frac{3}{4}$	2 $\frac{3}{4}$	2 $\frac{3}{4}$	2 $\frac{3}{4}$
Width of Strap at Joint.....	1 $\frac{5}{8}$	2 $\frac{1}{8}$	2 $\frac{3}{8}$	2 $\frac{7}{8}$	3 $\frac{3}{4}$	4 $\frac{1}{8}$	4 $\frac{1}{8}$	4 $\frac{3}{8}$	4 $\frac{1}{4}$
Size of Screw.....	1x9	1x10	1 $\frac{1}{4}$ x11	1 $\frac{1}{2}$ x12	1 $\frac{1}{2}$ x14	1 $\frac{1}{2}$ x14	1 $\frac{1}{2}$ x14	1 $\frac{1}{2}$ x14	1 $\frac{1}{2}$ x14
Number of Screw Holes.....	6	6	8	9	9	10	10	11	11
Average Weight Per Dozen Pair.....	7 $\frac{3}{4}$	13 $\frac{1}{2}$	21 $\frac{1}{4}$	37	58	78	82	88	102
Carton Packing no screws									
Dozen Pair in a Box.....	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{4}$	$\frac{1}{4}$	1/12	1/12	..	..	..
Dozen Pair in full shipping carton...	10	5	4	2	1	1	..	..	..
Dozen Pair in full barrel.....	55	40	25	12	8	5	5	5	5



Reversed Pad Extra Heavy T Hinges - Half Surface

WROUGHT STEEL, REVERSED PAD EXTRA HEAVY T HINGES, RIVETED PINS

1 Pair in a box with screws

No. WS-1963 $\frac{1}{2}$ —Plain Steel
No. WS-1963 $\frac{1}{2}$ -J—Japanned
No. WS-1363 $\frac{1}{2}$ -G—Galvanized,
with Steel Pins
No. WS-1363 $\frac{1}{2}$ -BP—Galvanized,
with Brass Pins

Size (Length of Strap) Inches.....	8	10	12	14	16
Length of Joint.....	5 $\frac{1}{2}$	7	7 $\frac{3}{4}$	7 $\frac{3}{4}$	7 $\frac{3}{4}$
Width of Pad.....	2 $\frac{1}{8}$	2 $\frac{1}{4}$	2 $\frac{3}{4}$	2 $\frac{3}{4}$	2 $\frac{3}{4}$
Width of Strap at Joint.....	2 $\frac{7}{8}$	3 $\frac{3}{4}$	4 $\frac{1}{8}$	4 $\frac{1}{8}$	4 $\frac{3}{8}$
Size of Screw.....	1 $\frac{1}{2}$ x12	1 $\frac{1}{2}$ x14	1 $\frac{1}{2}$ x14	1 $\frac{1}{2}$ x14	1 $\frac{1}{2}$ x14
Number of Screws.....	9	9	10	10	11
Pairs in a box With Screws.....	1	1	1	1	1
Average Weight Per Pair, Pounds.....	3 $\frac{1}{2}$	5	7	7 $\frac{1}{2}$	8

Packing Information on Hinges boxed with Screws on Page 72

Loose Pin Extra Heavy T Hinges



WROUGHT STEEL EXTRA HEAVY T HINGES LOOSE PIN

1 Pair in a box with screws

No. WS-1950—Plain Steel

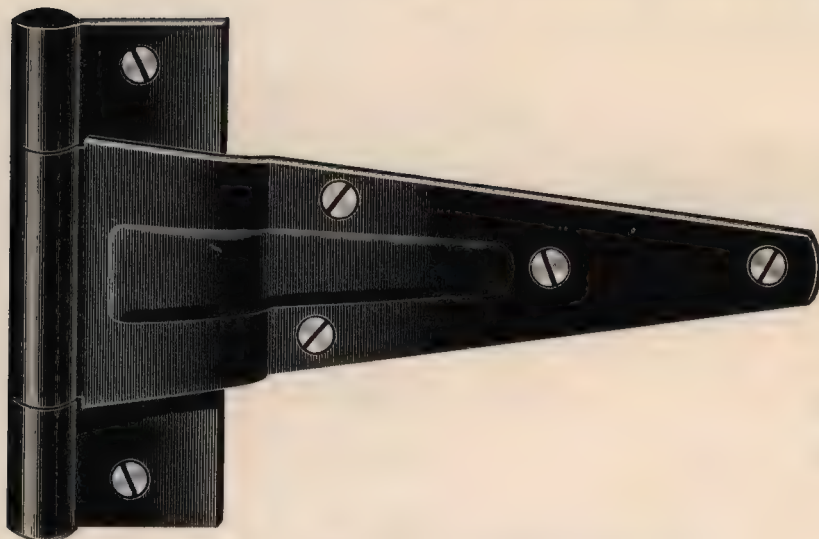
No. WS-1950-J—Japanned

No. WS-1350—Galvanized, with Steel Pin

No. WS-1350 $\frac{1}{4}$ —Galvanized, with Brass Pin

Size (Length of Strap) Inches	8	10	12	14	16
Length of Joint.....	5 $\frac{1}{2}$	7	7 $\frac{3}{4}$	7 $\frac{3}{4}$	7 $\frac{3}{4}$
Width of Pad.....	2 $\frac{1}{8}$	2 $\frac{1}{4}$	2 $\frac{3}{4}$	2 $\frac{3}{4}$	2 $\frac{3}{4}$
Width of Strap at Joint.....	2 $\frac{7}{8}$	3 $\frac{3}{4}$	4 $\frac{1}{8}$	4 $\frac{1}{8}$	4 $\frac{1}{8}$
Size of Screw.....	1 $\frac{1}{2}$ x12	1 $\frac{1}{2}$ x14	1 $\frac{1}{2}$ x14	1 $\frac{1}{2}$ x14	1 $\frac{1}{2}$ x14
Number of Screws.....	9	9	10	10	11
Pairs in a box With Screws.....	1	1	1	1	1
Average Weight Per Pair, Pounds.	3 $\frac{1}{2}$	5	7	7 $\frac{1}{2}$	8

Offset Extra Heavy T Hinges



WROUGHT STEEL OFFSET EXTRA HEAVY T HINGES RIVETED PINS

1 Pair in a box with screws

No. WS-1951—Plain Steel

No. WS-1951-J—Japanned

No. WS-1351—Galvanized, with Steel Pin

No. WS-1351 $\frac{1}{4}$ —Galvanized, with Brass Pin

Size (Length of Strap) Inches	10	18
Length of Joint.....	7	7 $\frac{3}{4}$
Width of Pad.....	2 $\frac{1}{4}$	4 $\frac{1}{4}$
Width of Strap at Joint.....	3 $\frac{3}{4}$	4 $\frac{1}{8}$
Size of Screw.....	1 $\frac{1}{2}$ x14	1 $\frac{1}{2}$ x14
Number of Screws.....	9	10
Pairs in a box With Screws.....	1	1
Average Weight Per Pair, Pounds.....	5	8 $\frac{1}{2}$

Link Hinges

Wrought Steel for Boxes



No. 1917

No. 1917—Bright Steel

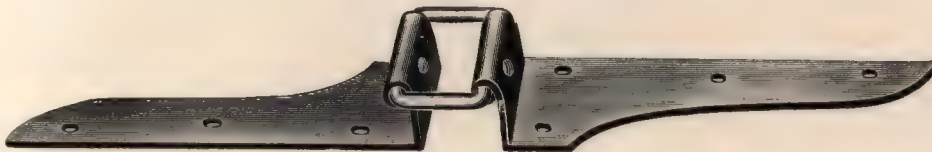
No. 1917-CP—Cadmium Plated

Size—Inches,

Length of each Strap	2 $\frac{3}{4}$	4
Length of Joint.....	$\frac{3}{4}$	1 $\frac{1}{2}$
Width of Joint.....	$\frac{3}{4}$	$\frac{7}{8}$

Packed in Bulk

Link Hinge - Wrought Steel for Boxes



No. 1918

No. 1918—Bright Steel

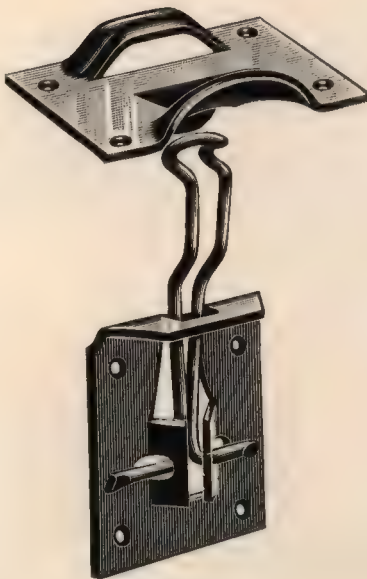
No. 1918-CP—Cadmium Plated

Size—Inches,

Length of each Strap	3 $\frac{1}{2}$	4 $\frac{1}{2}$
Length of Joint.....	1 $\frac{1}{2}$	1 $\frac{1}{2}$
Width of Joint.....	$\frac{3}{4}$	$\frac{3}{4}$

Packed in bulk.

300 Pair Hinges in a Carton



No. 1916

Box Lock

Wrought Steel Box Lock for Bottle Boxes

No. 1916—Bright Steel

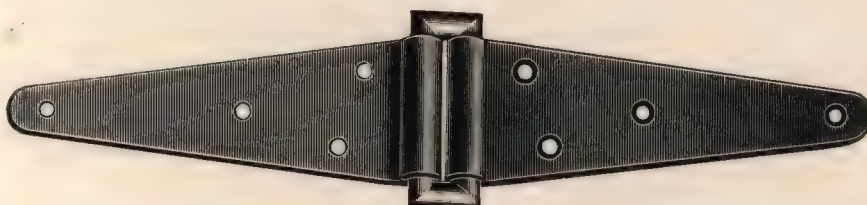
No. 1916-CP—Cadmium Plated

Packed in bulk, parts separately.

600 Top Parts in a carton.

600 Spring Steel Bottom Parts in a carton.

Link Hinge - Wrought Steel Strap-Cast Link for Trap Doors



No. 1924

No. 1924—Bright Steel

No. 1924-CP—Cadmium Plated

Size—Inches, Each Leaf 8

Length of Joint..... 3 $\frac{5}{8}$

Packed in Bulk

Garage Hinges - Ball Bearing - Wrought Steel

With $1\frac{1}{16}$ -inch Offset - Riveted Pins



No. BB-1991

No. BB-1991-J—Japanned

No. BB-1991-CP-K—Cadmium Plated
and Dead Black Finish

All sizes 2 Ball Bearings—Riveted Pins.

*Packed 1 Pair with Screws
in Shipping Carton*

Size (Length of Strap) Inches.....	12	18	24	36
Size of T part, inches.....	$7 \times 2\frac{3}{4}$	$7 \times 2\frac{3}{4}$	$7 \times 2\frac{3}{4}$	8×4
Average Weight Per Pair, Pounds.....	10	12	15	19

Flat Back - No Offset - Riveted Pins

Also made with Reversed Pad



No. BB-1992

No. BB-1992-J—Japanned

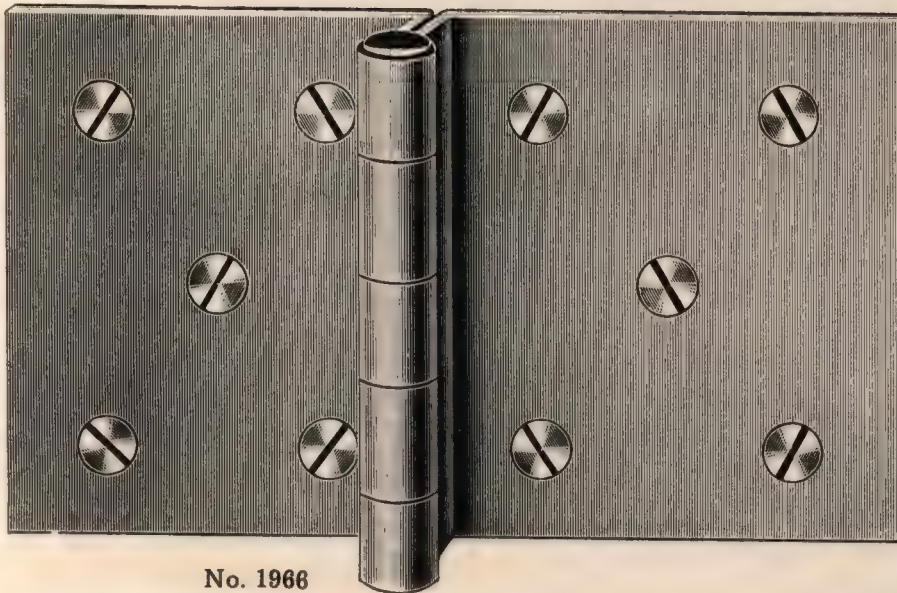
No. BB-1992-CP-K—Cadmium
Plated and Dead Black Finish

All sizes 2 Ball Bearings—
Riveted Pins.

*Packed 1 Pair with Screws
in Shipping Carton.*

Size (Length of Strap) Inches.....	12	18	24	36
Size of T part, inches.....	$7 \times 2\frac{3}{4}$	$7 \times 2\frac{3}{4}$	$7 \times 2\frac{3}{4}$	8×4
Average Weight Per Pair, Pounds.....	10	12	15	19

Hinges for Garage Doors



No. 1966

Offset Surface Hinge With 1½ Inch Offset WROUGHT STEEL

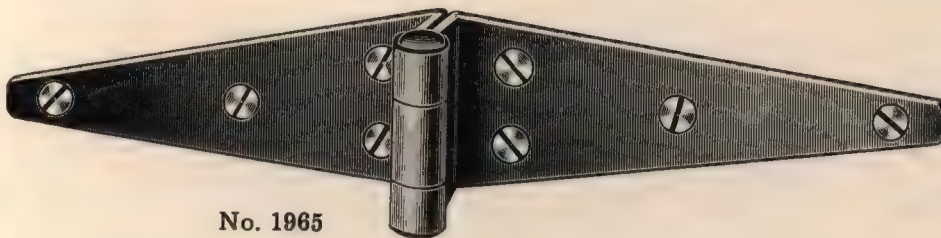
Riveted Pins

No. 1966-J—Japanned

Size Open (Inches)	4x3½	4x4	4x6	4½x9
Size of Screw	1¼x10	1¼x10	1¼x10	1¼x10
Wgt. Per Pair, Lbs.	2	2¼	2¾	4
Gauge of Metal	.130	.130	.134	.134

*Packed One Pair Per Box with
Screws.*

Offset Surface Strap Hinge



No. 1965

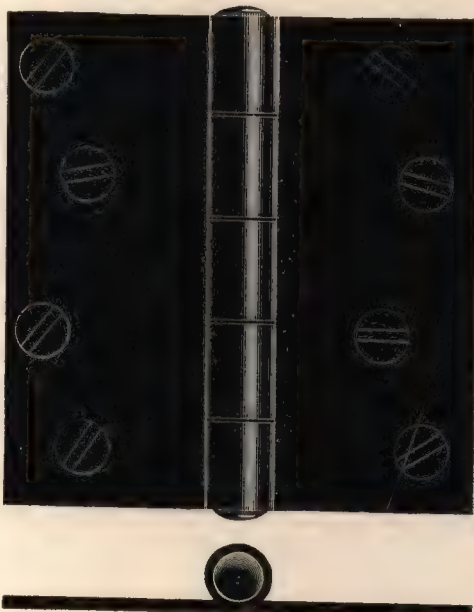
WROUGHT STEEL

Riveted Pins

No. 1965-J—Japanned

Size Open (Inches)	14	17½
Size of Joint.....	3⅜	3¾
Weight Per Pair, Lbs.	3	4½

*Packed One Pair Per Box with
Screws.*



No. 1734

No Offset Surface Hinge

WROUGHT STEEL

Riveted Pins, Flat Back

No. 1734-J—Japanned

Size Open (Inches).....	4x4	4x6	4½x4½	4½x9
Size of Screws.....	1x10	1¼x10	1¼x10	1¼x10
Weight Per Pair, Pounds...	1⅝	3⅞	2	3⅞
Gauge of Metal.....	.130	.130	.134	.134

Packed 1 pair per box with screws.

Screw Hook and Strap Hinges - Wrought Steel



No. 1973

No. 1973—Plain Steel

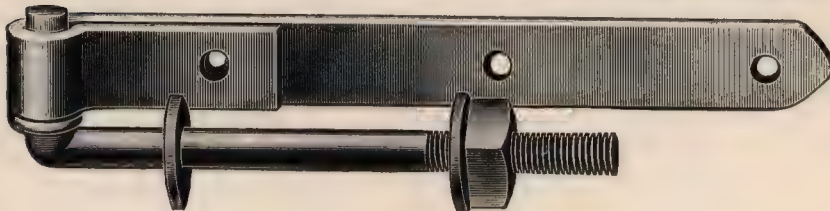
No. 1973-G—Galvanized

Packed in bulk.

Size Length of Strap

(Inches).....	6	8	10	12	14	16	18	20	22	24	30	36
Size Hook.....	$\frac{1}{2} \times 4$	$\frac{5}{8} \times 5$	$\frac{5}{8} \times 5$	$\frac{5}{8} \times 5$	$\frac{3}{4} \times 6$	$\frac{3}{4} \times 6$	$\frac{3}{4} \times 6$	$\frac{3}{4} \times 6$	$\frac{3}{4} \times 6$	$\frac{7}{8} \times 8$	$\frac{7}{8} \times 8$	$\frac{7}{8} \times 8$
Holes in Strap for Bolts	3 for $\frac{3}{16}$	3 for $\frac{5}{16}$	3 for $\frac{5}{16}$	3 for $\frac{5}{16}$	3 for $\frac{3}{8}$	3 for $\frac{3}{8}$	4 for $\frac{3}{8}$	4 for $\frac{3}{8}$	4 for $\frac{3}{8}$	4 for $\frac{1}{2}$	4 for $\frac{1}{2}$	4 for $\frac{1}{2}$
Average Weight Per Dozen Pairs, Pounds	19	33	36	40	72	76	95	96	100	180	276	300
Dozen Pair in full barrel	40	27	25	24	13	12	9	8	6	3	2	2

Bolt Hook and Strap Hinges - Wrought Steel



No. 1925

No. 1925—Plain Steel

No. 1925-G—Galvanized

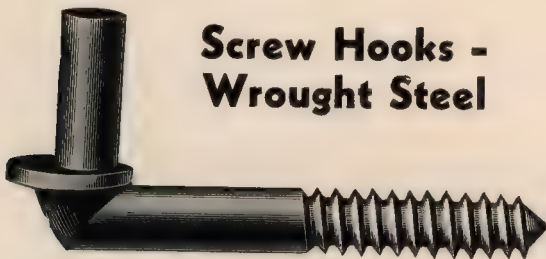
Packed in bulk.

Hook has 2 projections to prevent Washer from moving toward hinge joint.

Size Length of Strap

(Inches).....	6	8	10	12	14	16	18	20	22	24	30	36
Size Hook.....	$\frac{1}{2} \times 6$	$\frac{5}{8} \times 8$	$\frac{5}{8} \times 8$	$\frac{5}{8} \times 8$	$\frac{3}{4} \times 10$	$\frac{3}{4} \times 10$	$\frac{3}{4} \times 10$	$\frac{3}{4} \times 10$	$\frac{3}{4} \times 10$	$\frac{7}{8} \times 10$	$\frac{7}{8} \times 10$	$\frac{7}{8} \times 10$
Holes in Strap for Bolts	3 for $\frac{3}{16}$	3 for $\frac{5}{16}$	3 for $\frac{5}{16}$	3 for $\frac{5}{16}$	3 for $\frac{3}{8}$	3 for $\frac{3}{8}$	4 for $\frac{3}{8}$	4 for $\frac{3}{8}$	4 for $\frac{3}{8}$	4 for $\frac{1}{2}$	4 for $\frac{1}{2}$	4 for $\frac{1}{2}$
Average Weight Per Dozen Pair, Pounds	24	48	54	56	96	102	114	120	132	258	324	355
Dozen Pair in full barrel	40	27	25	24	13	12	9	8	6	3	2	2

Screw Hooks - Wrought Steel



No. 1974

Size (Inches).....	$\frac{1}{2} \times 4$	$\frac{5}{8} \times 5$	$\frac{3}{4} \times 6$	$\frac{7}{8} \times 8$
For Hinges, size.....	6	8-10-12	14 to 22	24 to 36
Dozen Weight, Pounds	5	8	12	24

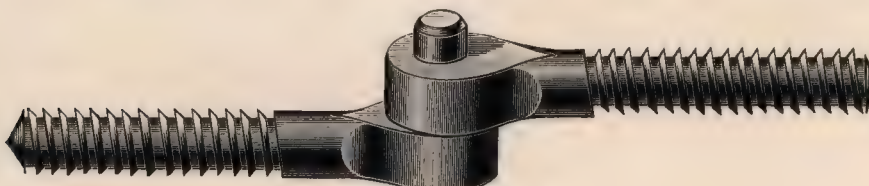
Bolt Hooks - Wrought Steel



No. 1970

Size (Inches).....	$\frac{1}{2} \times 6$	$\frac{5}{8} \times 8$	$\frac{3}{4} \times 10$	$\frac{7}{8} \times 10$
For Hinges, size.....	6	8-10-12	14 to 22	24 to 36
Dozen Weight, Pounds	7	13	24	55

Screw Hook and Eye Hinges - Wrought Steel



No. 1975

No. 1975

Size (Inches).....	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$
Dozen Pair, Pounds	12	24	42

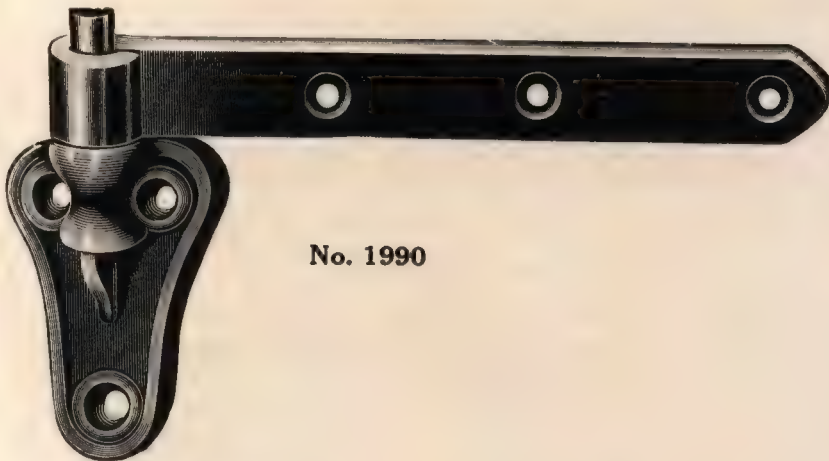
Plate Hinges



No. 1972

PLATE HINGES—FAST JOINT
STRAP IS MADE OF WROUGHT STEEL
 $\frac{1}{4}$ INCH THICKNESS
PLATE OR BUTT PART IS CAST
No. 1972-J—Japanned

Size (Length of Strap)												
Inches	6	8	10	12	14	16	18	20	22	24	30	36
Size of Screw in Strap	No. 10	No. 10	No. 11	No. 11	No. 13	No. 13	No. 15	No. 15	No. 15	No. 15	No. 15	No. 15
Size of Bolt in Strap					$1\frac{3}{8}$	$1\frac{3}{8}$	$1\frac{3}{8}$	$1\frac{3}{8}$	$1\frac{3}{8}$	$1\frac{3}{8}$	$1\frac{3}{8}$	$1\frac{3}{8}$
Number of Screws	3	3	3	3	2	2	3	3	3	3	4	4
Size of Screw in Plate	No. 12	No. 13	No. 14	No. 14	No. 15	No. 15	No. 18	No. 18	No. 18	No. 18	No. 18	No. 18
Number of Screws	3	3	3	3	3	3	4	4	4	4	4	4
Average Weight Per Dozen..												
Pairs, Pounds	16	19	28	30	45	50	72	84	90	96	120	145



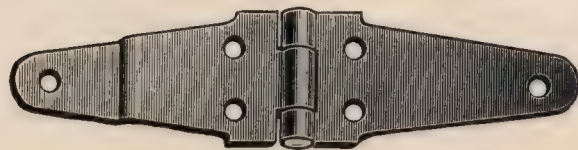
No. 1990

PLATE HINGES—LOOSE JOINT
STRAP IS MADE OF WROUGHT STEEL
 $\frac{1}{4}$ INCH THICKNESS
PLATE OR BUTT PART IS CAST
No. 1990-J—Japanned

Size (Length of Strap)												
Inches	6	8	10	12	14	16	18	20	22	24	30	36
Size of Screw in Strap	No. 12	No. 12	No. 12	No. 14	No. 14	No. 14	No. 15	No. 15	No. 15	No. 15	No. 15	No. 15
Number of Screw Holes in Strap	3	3	3	3	4	4	4	4	4	4	4	4
Size of Screw in Plate	No. 14	No. 16	No. 16	No. 16	No. 18	No. 18	No. 18	No. 20	No. 20	No. 20	No. 20	No. 20
Number of Screw Holes in Plate	3	3	3	3	3	3	3	3	3	3	3	3
Average Weight Per Dozen												
Pairs, Pounds	20	36	40	43	58	63	70	96	102	108	126	150

Trunk Hinges

Wrought Steel Trunk Hinges

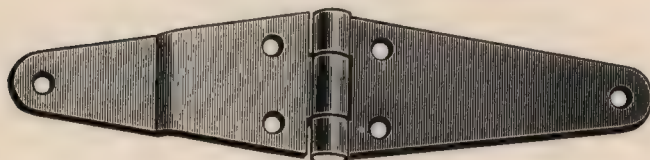


No. 2550—6-inch

No. 2550—Bright Steel No. 2550-J—Japanned
No. 2550-B—Brass Plated

Size, inches, Length overall 6 inches, Joint $1\frac{7}{16}$ inch.
Packed in bulk keg 5 gross pair—weight 140 Pounds.

Wrought Steel Trunk Hinges



No. 2550—7-inch

No. 2550—Bright Steel No. 2550-J—Japanned
No. 2550-B—Brass Plated

Size, inches, Length overall 7 inches, Joint $1\frac{9}{16}$ inch.
Packed in bulk keg 5 gross pair—weight 250 Pounds.



No. 2575

No. 2830—Plain Steel
No. 2830-J—Japanned
No. 2830-B—Brass Plated

Size, Inches, Length Overall	4	6	7
Length of Joint.....	$1\frac{5}{16}$	$1\frac{5}{16}$	$1\frac{5}{16}$
Weight Per Gross Pair, Lbs.	20	32	44
Gross Pair, Full Keg.....	10	10	5

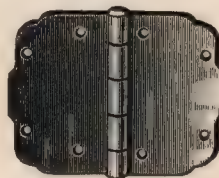


No. 2580

Wardrobe Trunk Hinge

With Stop
and Offset

No. 2580-J—Japanned	No. 2580-B—Bright Brass
Size, Length of Joint (Inches)	$3\frac{3}{8}$ 3
Length overall open.....	$4\frac{1}{2}$ $3\frac{7}{8}$
Holes for Rivets.....	8 8
Full Barrel Gross Pair.....	$2\frac{1}{2}$ $2\frac{1}{2}$
Weight Per Gross Pair, Pounds.....	144 108



No. 2576

Wardrobe Trunk Hinge

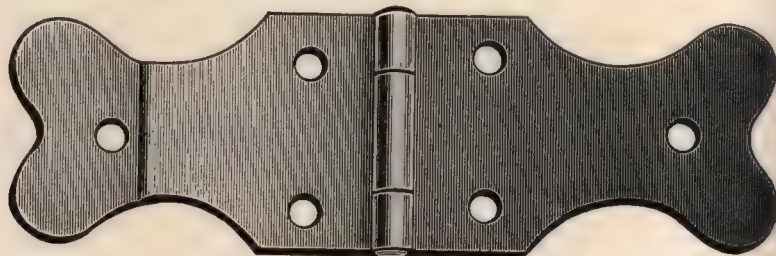
Without Offset

No. 2576-J—Japanned	No. 2576-B—Brass Plated
Size, Length of Joint (Inches)	$3\frac{3}{8}$ 3
Length overall open.....	$4\frac{1}{2}$ $3\frac{7}{8}$
Holes for Rivets.....	8 8
Full Barrel Gross Pair.....	$2\frac{1}{2}$ $2\frac{1}{2}$
Weight Per Gross Pair, Pounds.....	126 90

Wardrobe Trunk Hinge With Offset

No. 2575-J—Japanned	No. 2575-B—Brass Plated
Size, Length of Joint (Inches)	$3\frac{3}{8}$ 3
Length overall open.....	$4\frac{1}{2}$ $3\frac{7}{8}$
Holes for Rivets.....	8 8
Full Barrel Gross Pair.....	$2\frac{1}{2}$ $2\frac{1}{2}$
Weight Per Gross Pair, Pounds.....	126 90

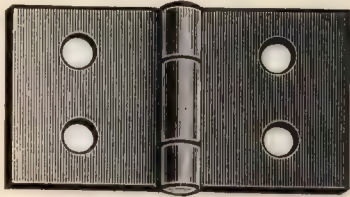
Wrought Steel Trunk Hinges



No. 2830

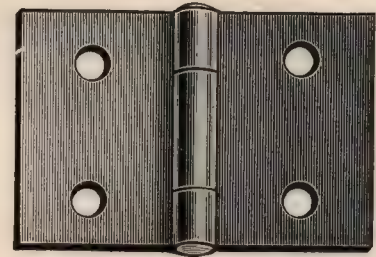
Suit Case Hinges

Wrought Steel



No. 2835

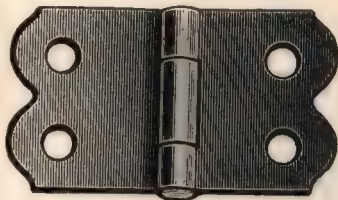
No. 2835—Bright Steel
No. 2835-J—Japanned
No. 2835-B—Brass Plated



No. 2835

Size, Length of Joint (Inches).....	1
Width Open	1 $\frac{5}{8}$
Gross Pair, Full Keg.....	25
Weight Full Keg, Pounds.....	176

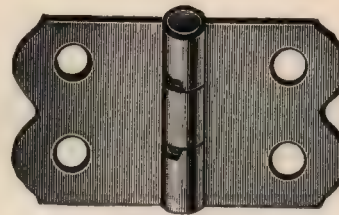
Size, Length of Joint (Inches).....	1 $\frac{1}{4}$
Width Open	1 $\frac{5}{8}$
Gross Pair, Full Keg.....	15
Weight Full Keg, Pounds.....	208



No. 2833

No. 2833—Bright Steel
No. 2833-J—Japanned
No. 2833-B—Brass Plated

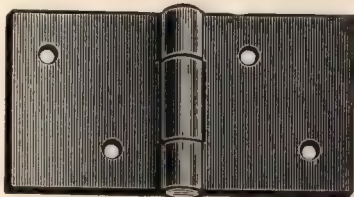
Size, Length of Joint (Inches).....	1
Width Open	1 $\frac{5}{8}$
Gross Pair, Full Keg.....	25
Weight Full Keg, Pounds.....	173



No. 2831—With Stop

No. 2831—Bright Steel
No. 2831-J—Japanned
No. 2831-B—Brass Plated

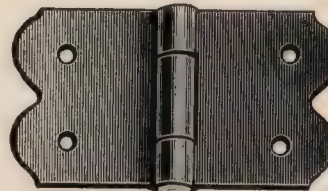
Size, Length of Joint (Inches).....	1
Width Open	1 $\frac{5}{8}$
Gross Pair, Full Keg.....	25
Weight Full Keg, Pounds.....	173



No. 2834

No. 2834—
Bright Steel
No. 2834-J—
Japanned
No. 2834-B—
Brass Plated

Size, Length of Joint (Inches).....	1
Width Open	1 $\frac{5}{8}$
Gross Pair, Full Keg.....	25
Weight Full Keg, Pounds.....	196



No. 2836

No. 2836—Bright Steel
No. 2836-J—Japanned
No. 2836-B—Brass Plated

Size, Length of Joint (Inches).....	1
Width Open	1 $\frac{5}{8}$
Gross Pair, Full Keg.....	25
Weight Full Keg, Pounds.....	176

All Suit Case Hinges Packed in Bulk.

Hinge Hasps

Wrought Steel - Riveted Pins



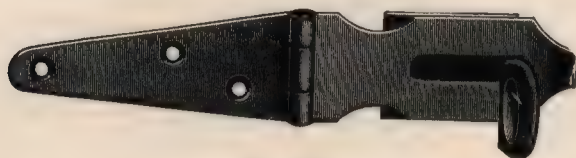
No. 1912

No. 1912—Bright Steel
 No. 1912-J—Japanned
 No. 1912-CP—Cadmium Plated
 No. 1308—Galvanized, with Steel Pin
 No. 1308 $\frac{1}{4}$ —Galvanized, with Brass Pin

Size, Length of Strap (Inches).....	3	4 $\frac{1}{2}$	6	8	10	12
Length of Hasp Part with Slot.....	3	3 $\frac{1}{4}$	4	4 $\frac{1}{4}$	5 $\frac{7}{16}$	6
Length of Joint.....	1 $\frac{1}{8}$	1 $\frac{1}{8}$	1 $\frac{9}{16}$	1 $\frac{7}{8}$	2 $\frac{1}{16}$	2 $\frac{3}{4}$
Size of Staple Plate.....	1 $\frac{1}{2}$ x1 $\frac{1}{8}$	1 $\frac{1}{2}$ x1 $\frac{1}{8}$	2x1 $\frac{1}{4}$	2 $\frac{1}{16}$ x1 $\frac{1}{2}$	2 $\frac{3}{4}$ x2 $\frac{1}{16}$	2 $\frac{3}{4}$ x2 $\frac{1}{16}$
Number of Screw Holes.....	7	8	8	8	8	8
Size of Screw.....	$\frac{3}{4}$ x6	$\frac{3}{4}$ x6	1x9	1x10	1 $\frac{1}{4}$ x10	1 $\frac{1}{4}$ x12
Weight Per Dozen, Pounds.....	2	2 $\frac{5}{8}$	5 $\frac{1}{8}$	8 $\frac{1}{2}$	14 $\frac{1}{2}$	19 $\frac{1}{2}$
Carton Packing, no Screws, Dozen in Box.....	1	1	1	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$
Dozen in Shipping Carton.....	25	25	10	5	3	2
Barrel, Dozen in Full Barrel.....	225	150	100	50	30	20

Hinge Hasp with Swivel Padlock Staple

Wrought Steel - Riveted Pins



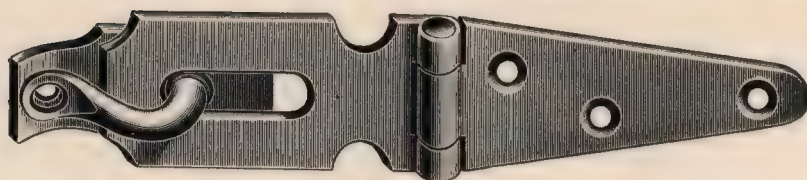
No. 1914

No. 1914—Plain Steel
 No. 1914-J—Japanned
 No. 1914-CP—Cadmium Plated

Size, Length of Strap (Inches).....	3	4 $\frac{1}{2}$	6	8
Length of Hasp Part with Slot.....	3	3 $\frac{1}{4}$	4	4 $\frac{1}{4}$
Length of Joint.....	1 $\frac{1}{8}$	1 $\frac{1}{8}$	1 $\frac{9}{16}$	1 $\frac{7}{8}$
Size of Staple Plate.....	1 $\frac{1}{2}$ x1 $\frac{1}{8}$	1 $\frac{1}{2}$ x1 $\frac{1}{8}$	2x1 $\frac{1}{4}$	2 $\frac{1}{16}$ x1 $\frac{1}{2}$
Number of Screw Holes.....	7	8	8	8
Size of Screw.....	$\frac{3}{4}$ x6	$\frac{3}{4}$ x6	1x9	1x10
Weight Per Dozen, Pounds.....	2 $\frac{3}{8}$	3	5 $\frac{5}{8}$	8 $\frac{1}{2}$
Carton Packing, no Screws, Dozen in Box.....	1	1	1	$\frac{1}{2}$
Dozen in Shipping Carton.....	25	25	10	5
Barrel, Dozen in Full Barrel.....	225	150	100	50

Hinge Hasp with Seal Lock Staple

Wrought Steel - Riveted Pins

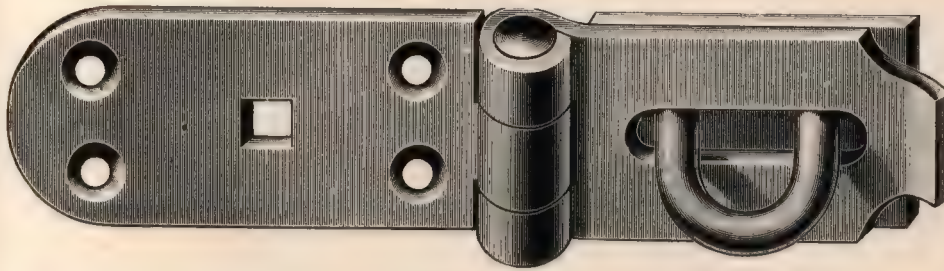


No. 1919

No. 1919—Plain Steel
 No. 1919-J—Japanned
 No. 1919-CP—Cadmium Plated

Size—Length of Strap, Inches.....	3
Length of Hasp Part with Slot.....	3
Length of Joint.....	1 $\frac{1}{8}$
Number of Screw Holes.....	7
Size of Screw.....	$\frac{3}{4}$ x6
Weight Per Dozen, Pounds.....	2 $\frac{3}{8}$
Barrel, Dozen in Full Barrel.....	200

Extra Heavy Hinge Hasps



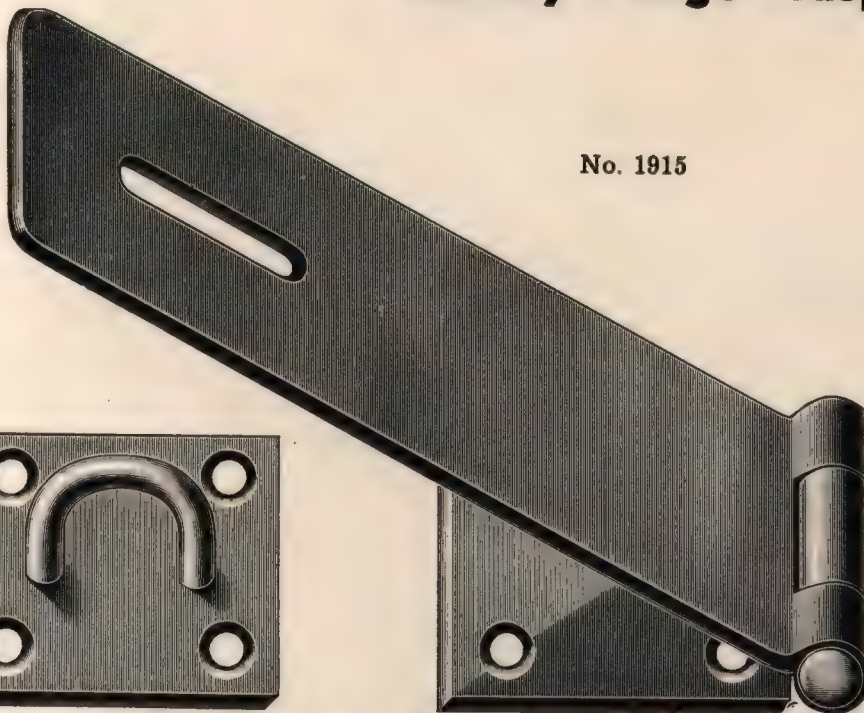
No. 1941

Wrought Steel Riveted Pins

No. 1941—Bright Steel
No. 1941-J—Japanned
No. 1941-CP—Cadmium Plated
No. 1941-G—Galvanized,
with Brass Pin

Size Open, Length Overall (Inches)	7 $\frac{3}{4}$	9	10	12
Length of Hasp Part with Slot.....	3 $\frac{1}{2}$	4	4	5
Length of Hinge Part with Bolt Hole.....	4 $\frac{1}{8}$	5	6	7
Length of Joint.....	1 $\frac{3}{4}$	2 $\frac{1}{8}$	2 $\frac{1}{8}$	2 $\frac{1}{8}$
Size of Staple Plate.....	2 $\frac{1}{2}$ x1 $\frac{3}{4}$	2 $\frac{3}{4}$ x2 $\frac{1}{8}$	2 $\frac{3}{4}$ x2 $\frac{1}{8}$	2 $\frac{3}{4}$ x2 $\frac{1}{8}$
Number of Screw Holes.....	8	8	8	10
Size of Screw.....	1 $\frac{1}{4}$ x11	1 $\frac{1}{2}$ x12	1 $\frac{1}{2}$ x12	1 $\frac{1}{2}$ x12
Weight Per Dozen With Screws, Pounds...	12 $\frac{1}{2}$	19	20 $\frac{1}{2}$	23 $\frac{1}{2}$
Weight Per Dozen Without Screws, Pounds	11 $\frac{1}{2}$	18	19 $\frac{1}{2}$	22 $\frac{1}{2}$
Dozen in a Box.....	1 $\frac{1}{2}$	1 $\frac{1}{4}$	1 $\frac{1}{4}$	1 $\frac{1}{4}$

Safety Hinge Hasps



No. 1915

Wrought Steel Riveted Pins

No. 1915—Bright Steel
No. 1915-J—Japanned
No. 1915-CP—Cadmium Plated
No. 1915-G—Galvanized,
with Brass Pin
No. 1915-B—Brass Plated

Bright Steel without screws.

Other finishes with screws.

For 1 only with Screws, Packing
see WS-1915. Page 72.

Size Length of Hasp Part with Slot (Inches)	2 $\frac{1}{2}$	3 $\frac{1}{2}$	4 $\frac{1}{2}$	6	7	8
Length of Hinge Part.....	1 $\frac{1}{8}$	1 $\frac{5}{8}$	2 $\frac{1}{4}$	3	3 $\frac{1}{2}$	3 $\frac{1}{2}$
Length of Joint.....	1	1 $\frac{1}{2}$	1 $\frac{5}{8}$	1 $\frac{7}{8}$	2 $\frac{1}{2}$	2 $\frac{1}{2}$
Size of Staple Plate.....	1 $\frac{1}{8}$ x1	1 $\frac{5}{8}$ x1 $\frac{3}{8}$	1 $\frac{5}{8}$ x1 $\frac{3}{8}$	2 $\frac{1}{8}$ x1 $\frac{11}{8}$	2 $\frac{1}{2}$ x1 $\frac{3}{4}$	2 $\frac{1}{2}$ x1 $\frac{3}{4}$
Number of Screw Holes.....	7	7	7	9	9	9
Size of Screw.....	3 $\frac{3}{4}$ x6	3 $\frac{3}{4}$ x7	7 $\frac{7}{8}$ x7	1x9	1 $\frac{1}{4}$ x11	1 $\frac{1}{4}$ x11
Weight Per Dozen with Screws, Pounds.....	15 $\frac{5}{8}$	3 $\frac{1}{2}$	43 $\frac{3}{4}$	9 $\frac{1}{4}$	18	24
Weight Per Dozen without Screws, Pounds.....	13 $\frac{3}{8}$	3	4	8	15	21
Dozen in a Box.....	1	1	1	1	1 $\frac{1}{4}$	1 $\frac{1}{4}$
Dozen in a Full Carton.....	25	25	12	10	5	3

Hinge Hasps

Safety Hinge Hasp with Swivel Padlock Staples



No. 1920

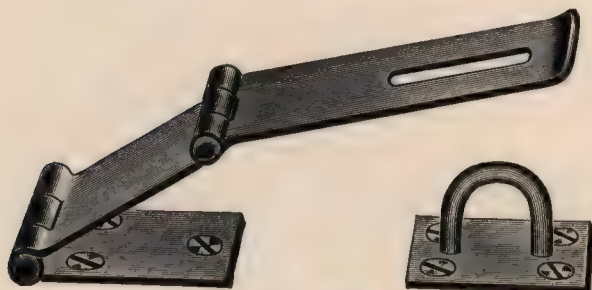
WROUGHT STEEL

- No. 1920—Bright Steel
 No. 1920-J—Japanned
 No. 1920-CP—Cadmium Plated
 No. 1920-G—Galvanized, With Brass Pin

Size, Length of Hasp Part with slot (Inches).....	3½	4½	6
Length of Hinge Part.....	1⅝	2¼	3
Length of Joint.....	1½	1⅝	1⅞
Dozen in a Box.....	1	1	1
Full Carton, Dozen.....	25	12	10

Packed 1 dozen in a box.

Safety Double Hinge Hasp



No. 1922

WROUGHT STEEL

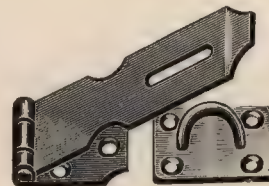
- No. 1922—Bright Steel
 No. 1922-J—Japanned
 No. 1922-CP—Cadmium Plated
 No. 1922-G—Galvanized, With Brass Pin

Size, Length of Hasp part with Slot (Inches)	4½	6
Length of Hinge Part.....	2¼	3
Length of Middle Part.....	2½	3½
Length of Joint.....	1⅝	1⅞
Dozen in a Full Box.....	1	½
Full Carton, Dozen.....	12	10
<i>Packed dozen in a box.....</i>	1	½

Safety Hasp - Light

No. 1346

WROUGHT STEEL



No. 1346-A—Bronze Plated

No. 1346-B—Brass Plated

Size, Length of Hasp Part with slot (Inches) 2½	
Length of Hinge Part.....	1
Length of Joint.....	1⅝
Weight Per Dozen, Pounds.....	1

*Packed 1 dozen in a box with screws.
 Packed in full shipping carton.*

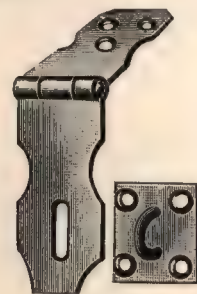
Hinge Hasp - Light

No. 1249

WROUGHT STEEL

No. 1249-A—Bronze Plated

No. 1249-B—Brass Plated



Size Open, Length of Hasp Part with slot (Inches).....	2	2¼
Length of Hinge Part.....	1½	1½
Length of Joint.....	¾	1⅝
Weight Per Dozen, Pounds.....	½	¾

*Packed 1 dozen in a box with screws.
 Packed in full shipping carton.*

Brass Safety Hasp - Light

No. 1344

WROUGHT BRASS



Size, Length of Hasp Part with slot (Inches).....	1⅞	2½
Length of Hinge Part.....	1⅝	1⅞
Length of Joint.....	¾	1¼

Packed 1 dozen in a box, without screws.

"S" - Shutter Holders**Wrought Steel**

No. 2685

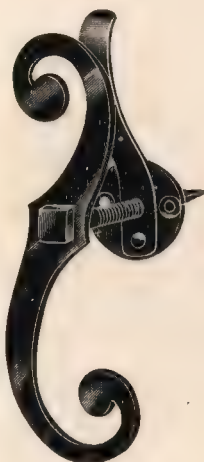
J-Japanned—CP-Cadmium Plated
CP-K-Cadmium Plated and Dead Black

No. 2685—With Lag Screw
Without Anti-Rattler

No. 2685½—With Lag Screw
With Anti-Rattler

Packed 1 Pair in a Box Complete.

Weight Per Pair $\frac{3}{4}$ Pound.



No. 2687

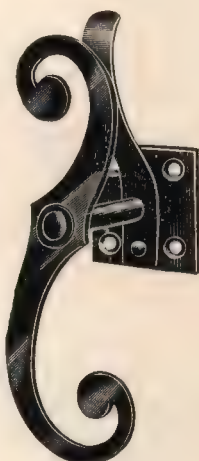
J-Japanned—CP-Cadmium Plated
CP-K-Cadmium Plated and Dead Black

No. 2687—With Drive Pin
Without Anti-Rattler

No. 2687½—With Drive Pin
With Anti-Rattler

Packed 1 Pair in a Box Complete

Weight Per Pair $\frac{3}{4}$ Pound.



No. 2686

J-Japanned—CP-Cadmium Plated
CP-K-Cadmium Plated and Dead Black

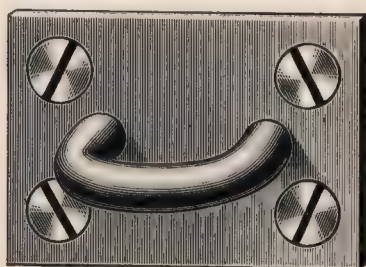
No. 2686—With Bolt and Plate
Without Anti-Rattler

No. 2686½—With Bolt and Plate
With Anti-Rattler

Packed 1 Pair in a Box Complete

Weight Per Pair $\frac{3}{4}$ Pound.

Staples and Hasps



No. 1913

Wrought Steel Plate Staples

No. 1913—Bright Steel

No. 1913-G—Galvanized

Packing 2 Dozen in a Box.

For Hasp Sizes (Inches)	3	4½	6	8	10	12
Size of Plate.....	1½x13⁄8	1½x13⁄8	2½x11⁄8	2½x13⁄4	2½x13⁄4	2½x13⁄4
Projection of Staple.....	¾	¾	¾	¾	1½	1½
Size of Wood Screws...	¾x6	¾x6	1x9	1x10	1¾x10	1¾x12
Weight Per Dozen, Lbs.	¾	¾	1½	1½	3½	3½



No. 2010

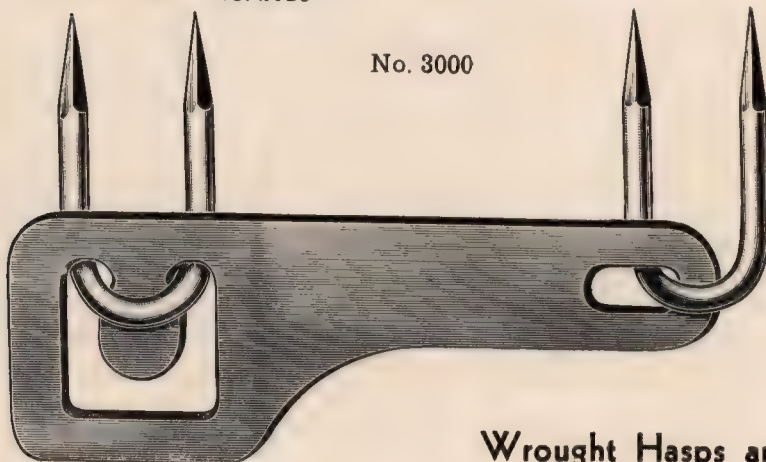
Wrought Steel Staple

No. 2010—Bright Steel

No. 2010-G—Galvanized

Packing 2½ inch and smaller 1 Gross Per Box, larger sizes ½ Gross Per Box.

Size, Length Overall (In.)	1	1¼	1½	1¾	2	2½	3	3½	4	5
Weight Per Gross, Lbs....	¾	1½	1½	1¾	2½	4¾	6¼	8½	10¼	14¾



No. 3000

Complete Hasps and Staples

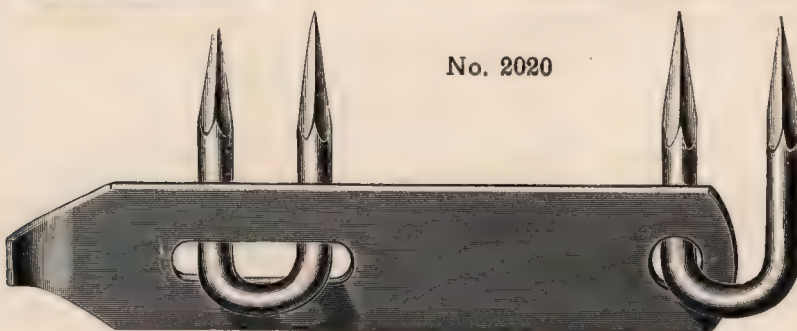
No. 3000—Bright Steel

No. 3000-G—Galvanized

Packing—1 Dozen in a Box.

Size, Length of Strap (Inches)	6	8	10
Length of Staple.....	2½	2½	2½
Weight Per Dozen, Pounds.....	2¾	4	7½

Wrought Hasps and Staples



No. 2020

No. 2020—Bright Steel

No. 2020-G—Galvanized

Packing—1 Dozen in a Box.

Size, Length of Strap (Inches)	4	5	6	8
Length of Staple.....	2	2	2¼	2½
Weight Per Dozen, Lbs.	1½	1½	2½	3½

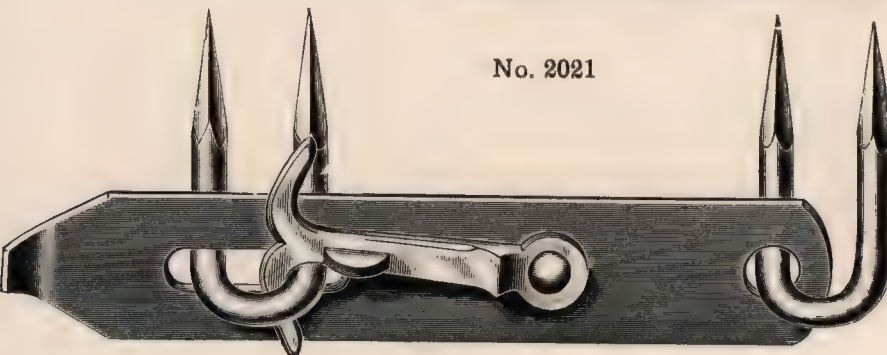
EXTRA HEAVY

No. 2023—Bright Steel

No. 2023-G—Galvanized

Size, Length of Strap (Inches)	8	10
Weight Per Dozen, Lbs.....	7	12

Wrought Hasps, Hooks and Staples



No. 2021

No. 2021—Bright Steel

No. 2021-G—Galvanized

Packing—1 Dozen in a Box.

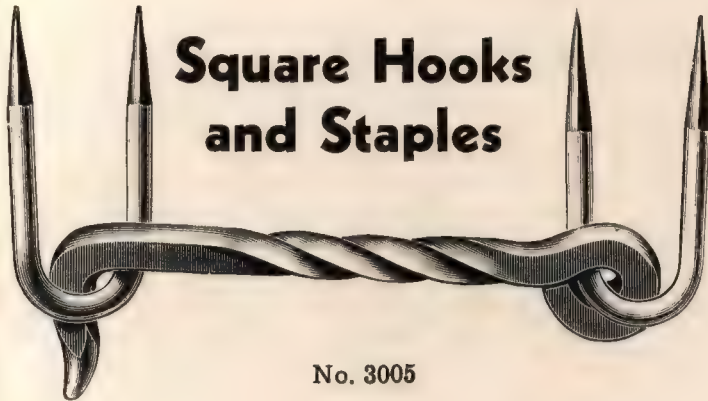
Size, Length of Strap (In.)	5	6	7	8	10
Length of Staple..	2	2¼	2½	2½	2½
Wgt. Per Doz., Lbs.	2½	3½	3¾	4	7½

EXTRA HEAVY

No. 2024—Bright Steel

No. 2024-G—Galvanized

Size, Length of Strap (Inches)	8	10
Weight Per Dozen, Lbs.....	7¾	13



No. 3005

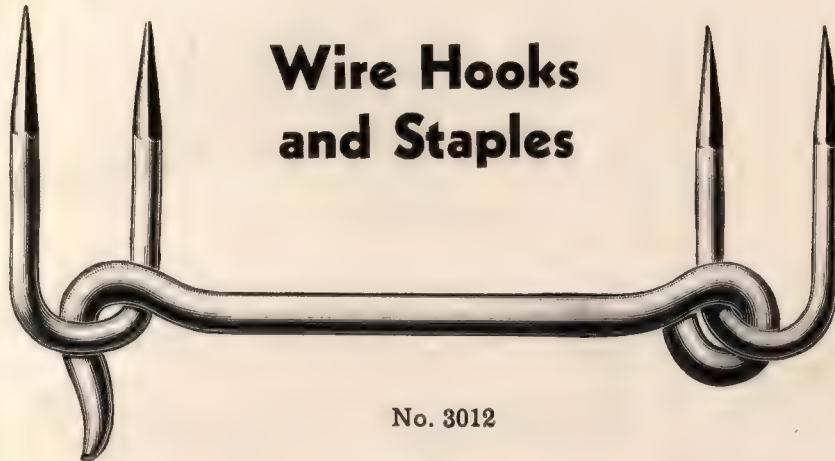
Square Hooks and Staples

Wrought Steel

No. 3005—Bright Steel

No. 3005-G—Galvanized

Size, Length (Inches).....	4	5	6	8
Size of Staple.....	2	2 $\frac{1}{4}$	2 $\frac{1}{2}$	2 $\frac{1}{2}$
Weight Per Gross, Pounds..	16 $\frac{1}{2}$	25	30	40

Packed 3 dozen in a paper box.

No. 3012

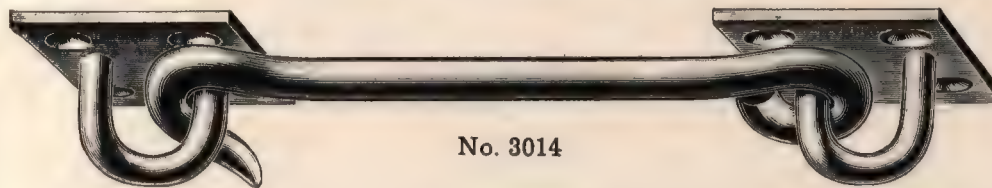
Wire Hooks and Staples

Wrought Steel

No. 3012—Bright Steel

No. 3012-G—Galvanized

Size, Length (Inches)	4	5	6
Thickness of Hook—Wire..	$\frac{1}{4}$	$\frac{5}{16}$	$\frac{5}{16}$
Size of Staple.....	2	2 $\frac{1}{4}$	2 $\frac{1}{2}$
Wgt. Per Gr., Lbs....	20	30	37

Packed 3 dozen in a paper box.

No. 3014

Wire Hooks with Plate Staples

Wrought Steel

No. 3014—Bright Steel

No. 3014-G—Galvanized

Size, Length (Inches)...	4	5	6
Size of Staple.....	1 $\frac{1}{2}$ x1 $\frac{1}{8}$	1 $\frac{1}{2}$ x1 $\frac{1}{8}$	1 $\frac{1}{2}$ x1 $\frac{1}{8}$
Thickness of Hook—Wire	$\frac{1}{4}$	$\frac{5}{16}$	$\frac{5}{16}$
Weight Per Gr., Pounds	28	39	42

Packed 2 dozen in a paper box without Screws.

No. 3010

Safety Hooks and Staples

Wrought Steel

No. 3010—Bright Steel

No. 3010-CP—Cadmium Plated

Size, Length (Inches).....	6
Width of Hook.....	$\frac{5}{8}$
Size of Staple.....	2 $\frac{1}{2}$
Weight Per Dozen, Pounds.....	7

Packed 2 dozen in a box.

Awning - "S" - Stay Nail - Sign - Screw Hooks

Wrought Steel Awning Hooks

Round



No. 2980

No. 2980—Bright Steel

No. 2980-CP—Cadmium Plated

Round with square diamond point.

Size, Lgth. (In.)	2½	3	3½	4	5	6
Thickness	15/64	15/64	19/64	19/64	19/64	19/64
Wgt. Per Gr., Lbs.	4	6	6¾	9	12½	17

Square



No. 2982

No. 2982—Plain Steel

No. 2982-CP—Cadmium Plated

Square with square diamond point.

Size, Length (Inches)	3	4	5	6
Thickness	¼	¼	¼	17/64
Weight Per Gross, Pounds	6	9	12½	17

Packed all sizes 3 dozen in a paper box.

Wrought Steel Stay Nail Hooks



No. 1981

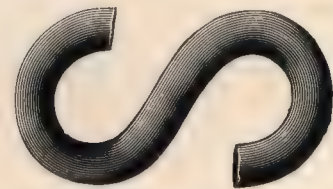
No. 1981—Plain Steel

No. 1981-CP—Cadmium Plated

Size, Length (Inches)	4	6	6	8
Screw Holes	1	2	3	2 or 3
Size Screw	No. 10	No. 10	No. 10	No. 10
Length of Part with Holes	1	3	3	3¼
Length of Part to Drive in Wall	3	3	3	4¾
Width and Thickness	¾x⅛	¾x⅛	¾x⅛	¾x⅛
Weight Per Dozen, Pounds	1	1 2/3	1 2/3	2

Packed 3 dozen in a paper box.

Wrought "S" Hooks



No. 2978

No. 2978—Bright Steel

No. 2978-CP—Cadmium Plated

Size (Inches)	1½x¾	2x¼	2½x⅝	3x¾
Weight Per Gross, Pounds	3 1/3	9¼	12¾	22
Dozen in Box	3	3	3	3

Packed 3 dozen in a paper box.

Wrought Sign Hooks



No. 2979

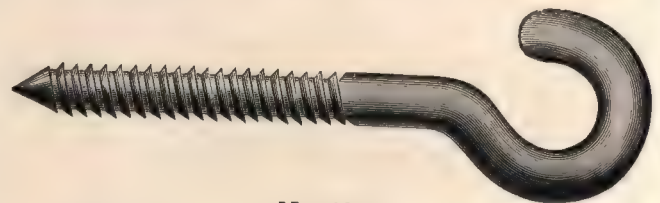
No. 2979—Bright Steel

No. 2979-CP—Cadmium Plated

Size, Length (Inches)	5	6	8	10
Width	¾	¾	¾	¾
Bend	1	1	1	1
Weight Per Dozen, Pounds	2¼	2½	3¼	4½
Packed Dozen in a box	2	2	2	1

Packed 1 Dozen in a box.

Wrought Steel Extra Heavy Hooks



No. 1976

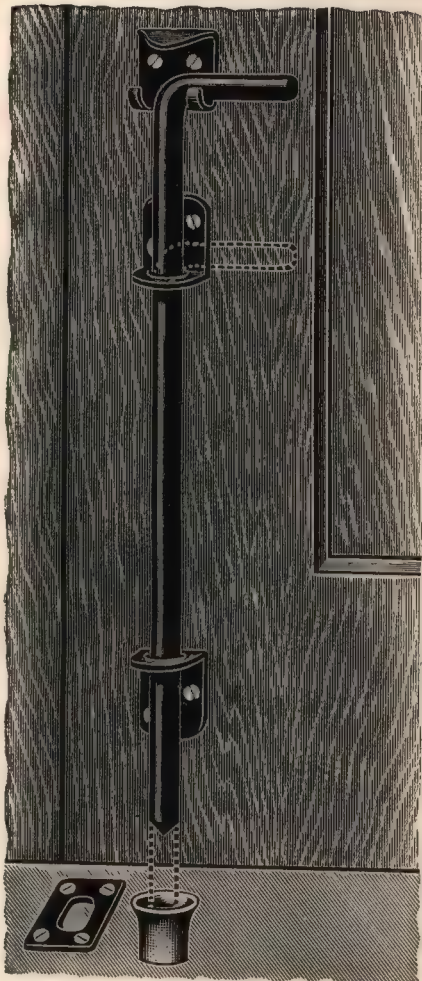
No. 1976—Plain Steel

No. 1976-CP—Cadmium Plated

Size, Inches 8x⅝—Lag screw thread.

Size, Inches 7½x⅝—Bolt screw thread with nut and washer.

Packed 1 dozen in a box.



No. 1408

Wrought Steel Extra Heavy Cane Bolts

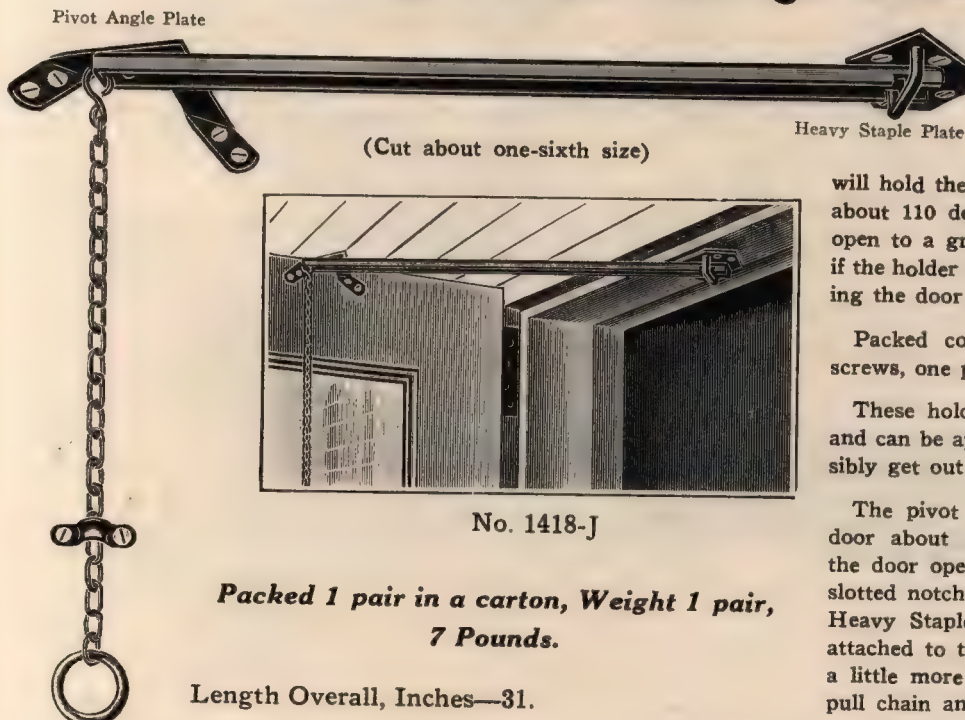
No. CP-1408—CADMIUM PLATED

For use in locking doors; also to hold doors open.

Size, Length (Inches).....	12	18	24
Thickness of Bolt.....	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{5}{8}$
Size of Screws.....	$1\frac{1}{4} \times 12$	$1\frac{1}{4} \times 12$	$1\frac{1}{4} \times 12$
Average Weight Per Dozen, Pounds.....	17	64	70

*Packed 2 in a box with screws, guides
and bottom parts for wood and concrete.*

Wrought Steel Garage Door Holders



No. 1418-J

*Packed 1 pair in a carton, Weight 1 pair,
7 Pounds.*

Length Overall, Inches—31.

Heavy Staple Plate

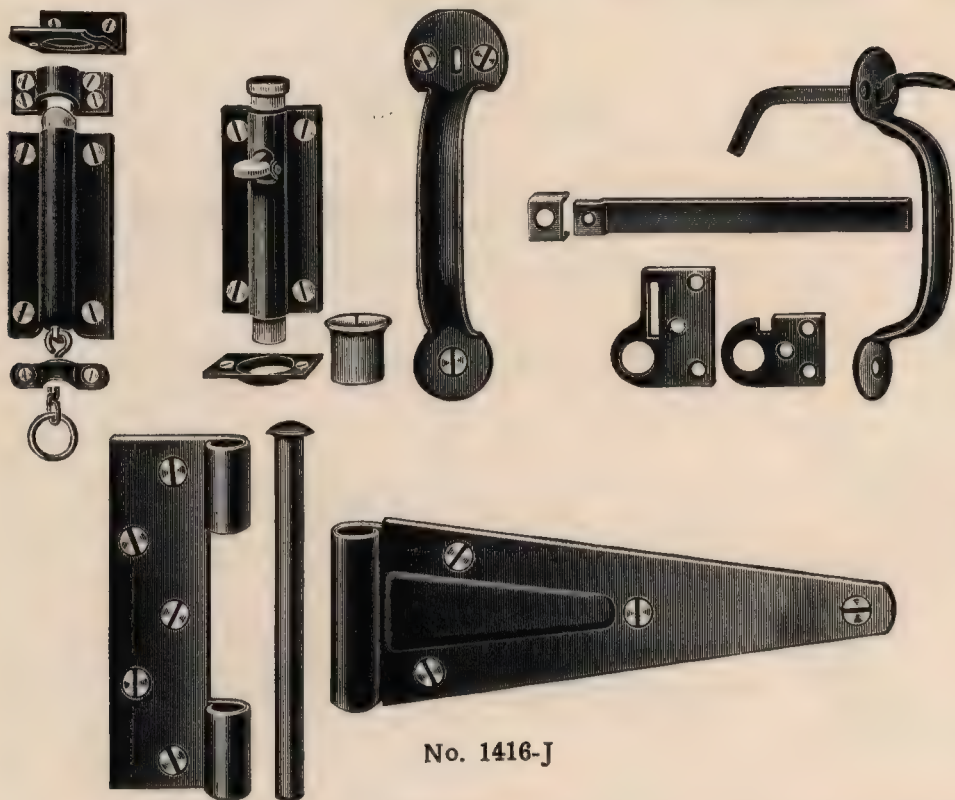
This Garage Door Holder is made of heavy wrought steel heavily fabricated to make it very strong, and can be used on either right or left hand doors. It will hold the door open to any angle from 40 degrees to about 110 degrees. It can be applied to hold the door open to a greater angle than 110 but it is not advisable if the holder is expected to receive a great shock in throwing the door open to the greatest angle.

Packed complete with directions for applying, with screws, one pair in a fibre carton, 10 cartons in a case.

These holders are for either right or left hand doors and can be applied to any shape door. Nothing can possibly get out of order that would necessitate adjustment.

The pivot angle plate is attached to the face of the door about 12 inches from the side jamb. Throwing the door open starts the action of the holder bar. The slotted notches at the end of the holder bar engages the Heavy Staple part of the Staple plate holder which is attached to the lintel of door frame locking the door at a little more than right angles. To release the holder, pull chain and close door.

Wrought Steel Garage Door Sets



No. 1416-J

No. 1416-J—Japanned

No. 1416-CP-JD—Cadmium
Plated and Dead Black Finish

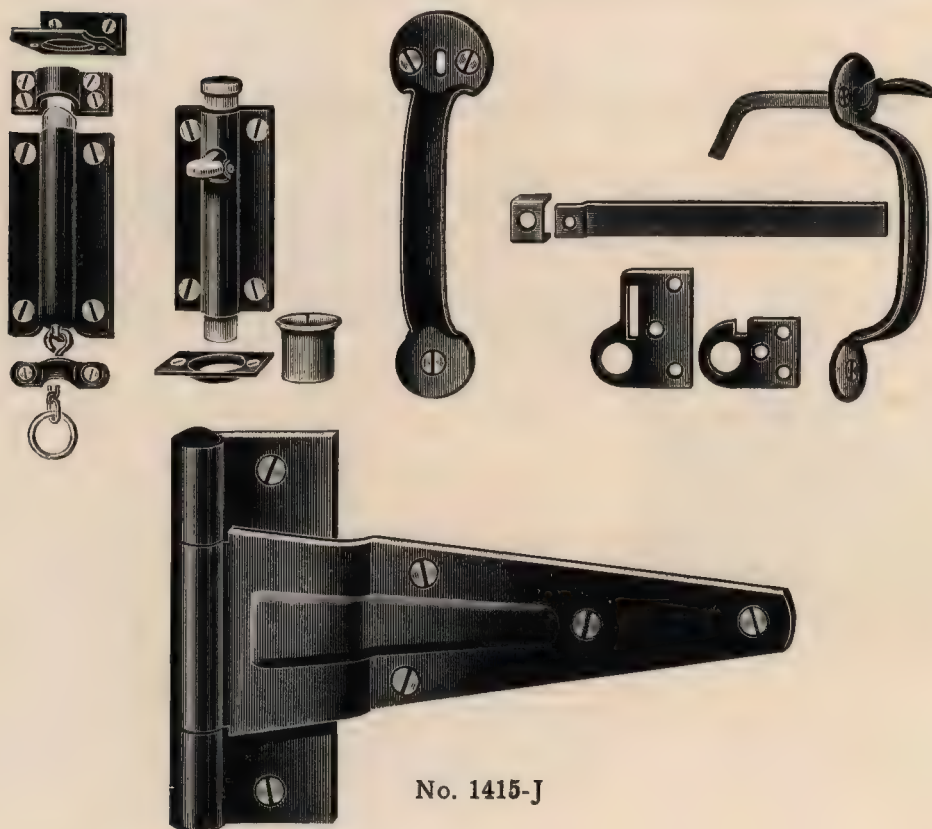
*Packed one complete set in a
carton with Screws.*

A Complete Set Consists of:

- 1—6 inch Chain Bolt No. 1400
- 1—6 inch Foot Bolt No. 1401
- 1—Door Handle
- 1—Door Latch—No. 4—1930
- 3 pair 10 inch Extra Heavy T Hinges
- Loose Pin—No. WS-1950

1 set weighs 17 pounds

**4 COMPLETE SETS IN A
SHIPPING CARTON**



No. 1415-J

No. 1415-J—Japanned

No. 1415-CP-JD—Cadmium
Plated and Dead Black Finish

*Packed one complete set in a
carton with Screws.*

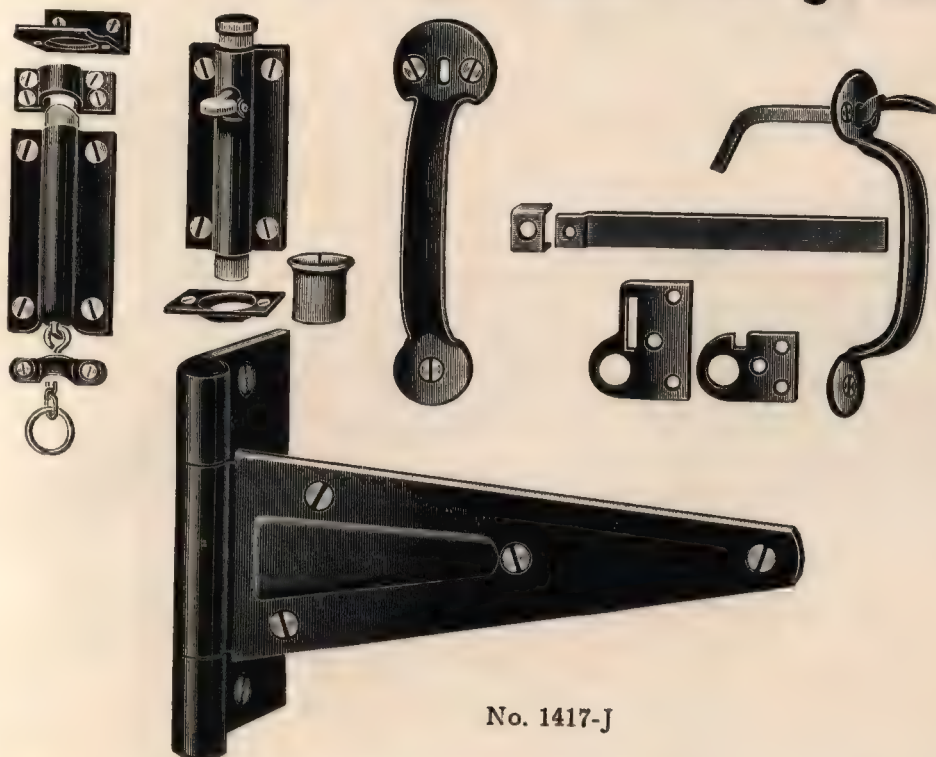
A Complete Set Consists of:

- 1—6 inch Chain Bolt No. 1400
- 1—6 inch Foot Bolt No. 1401
- 1—Door Handle
- 1—Door Latch No. 4, No. 1930
- 3 pair 10 inch Extra Heavy T Hinges
with Offset No. WS-1951

1 set weighs 17 pounds

**4 COMPLETE SETS IN A
SHIPPING CARTON**

Wrought Steel Garage Door Sets



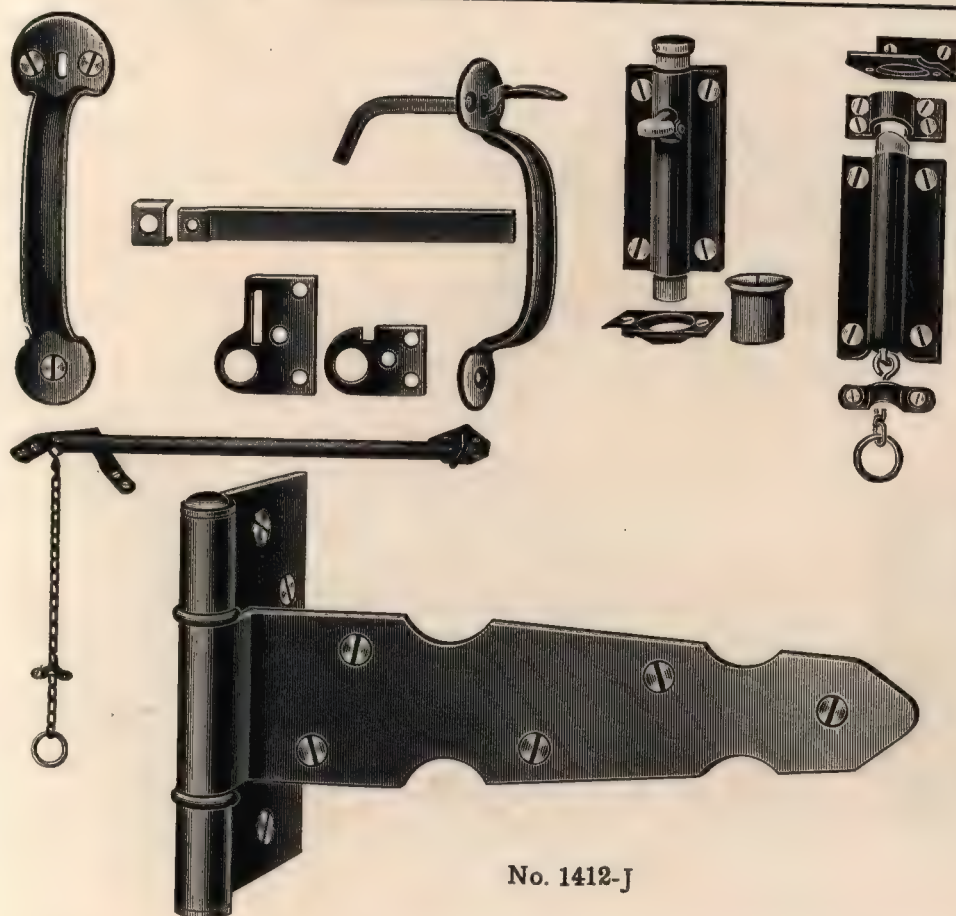
No. 1417-J

No. 1417-J—Japanned

No. 1417-CP-JD—Cadmium
Plated and Dead Black Finish*Packed one complete set in a
carton with Screws***A Complete Set Consists of:**

- 1—6 inch Chain Bolt No. 1400
- 1—6 inch Foot Bolt No. 1401
- 1—Door Handle
- 1—Door Latch No. 4, No. 1930
- 3 pair 10 inch Extra Heavy T Hinges
Reversed Pad No. WS-1963 $\frac{1}{2}$

1 set weighs 17 pounds

**4 COMPLETE SETS IN A
SHIPPING CARTON**

No. 1412-J

No. 1412-J—Japanned

No. 1412-CP-JD—Cadmium
Plated and Dead Black Finish*Packed one complete set in a
carton with Screws.***A Complete Set Consists of:**

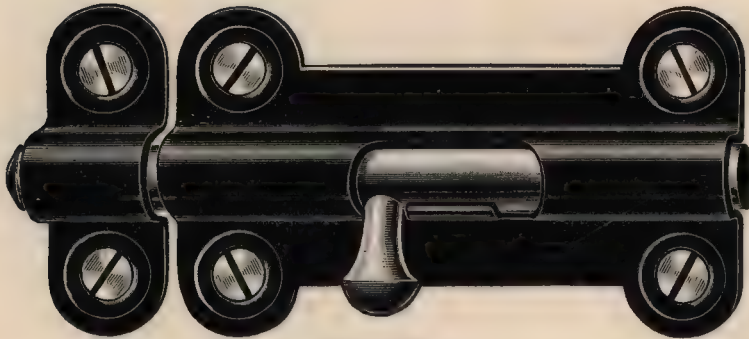
- 1—6 inch Chain Bolt No. 1400
- 1—6 inch Foot Bolt No. 1401
- 1—Door Handle
- 1—Door Latch No. 4, No. 1930
- 3 pair 10 inch Ball Bearing Garage
Hinges No. BB-1991
- 1—Garage Door Holder No. 1418

1 Set weighs 20 pounds

1 SET IN A CARTON

Barrel Bolts

Wrought Steel



No. 1403

- No. 1403-J—Japanned (Without Screws)
 No. WS-1403-J—Japanned (With Screws)
 No. WS-1403-B—Brass Plated (With Screws)
 No. WS-1403-G—Galvanized (With Screws)

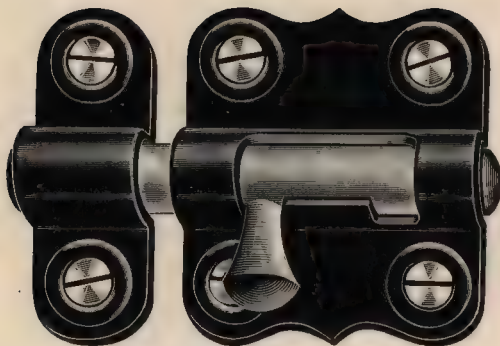
Packed 1 Dozen in a Box.

No. 1403-J—Without Screws, all other numbers
 With Screws.

Size, Length of Bolt (Inches)	2½	3	4	5	6
Thickness of Bolt	⅜	⅜	⅜	⅜	⅜
Number of Screw Holes	6	6	6	6	6
Size of Screw	¾x6	¾x6	¾x6	¾x6	¾x6
Dozen in a Box	1	1	1	1	1
Weight Per Dozen, Pounds	3	3¾	4	5	5½
Full Shipping Carton, Dozen	20	20	12	12	12

Cellar Window Bolts

Wrought Steel



No. 1405—Size 2½ inches

- No. 1405-J—Japanned (Without Screws)
 No. WS-1405-J—Japanned (With Screws)
 No. 1405-CP—Cadmium Plated (Without Screws)
 No. WS-1405-CP—Cadmium Plated (With Screws)
 Size 2½ inches, Length of Bolt.
 Bolt ⅜ inch thick.

Packed 1 Dozen in a Carton.

Weight Per Dozen, Pounds, 2.
 Full Carton, 20 Dozen.

Chain Bolt



No. 1400—Chain Bolts

Size, Length of Bolt, (Inches)	6	8	10
Weight Per Dozen, Pounds.....	10½	19	24
Number of Dozen in a Box.....	½	¼	1/6
Full Shipping Carton, Dozen.....	4	3	3

Wrought Steel

Chain Bolts—With Screws

No. 1400-J—Japanned

No. 1400-CP—Cadmium Plated

No. 1400-DB-OC—Plated

Foot Bolts—With Screws

No. 1401-J—Japanned

No. 1401-CP—Cadmium Plated

No. 1401-DB-OC—Plated

Foot Bolt

Positive Action



No. 1401

No. 1401—Foot Bolts

Size, Length of Bolt, (Inches)	6	8	10
Weight Per Dozen, Pounds.....	8½	15	21
Number of Dozen in a Box.....	½	1/6	1/6
Full Shipping Carton, Dozen.....	4	3	3

Padlock Eyes



No. 1931

WROUGHT STEEL

PADLOCK EYES WITH SCREWS

No. 1931-J—Japanned

No. 1931-A-DB-OC—Plated

No. 1931-CP—Cadmium Plated

*Packed 1 Dozen Pair in a Box
With Screws*

Size of Plate, (In.)	1½x1 ⁵ / ₁₆	2⅛x1 ⁷ / ₈	2¾x2 ³ / ₁₆
Size of Eye, Inches ..	½x ⁷ / ₁₆	¾x ⁵ / ₈	1½x¾

Door Button

WROUGHT STEEL



No. 1407

No. 1407-J—Japanned
(Without Screws)

No. 1407-CP—Cadmium
Plated (Without Screws)

No. WS-1407-J—Japanned
(With Screws)

No. WS-1407-CP—Cadmium
Plated (With Screws)

Size 1¾ Inches.

Packed 1 Gross Per Carton

Wrought Steel Door Pulls

(Handles)



No. 1204

No. 1204—Bright Steel
No. 1204-J—Japanned
No. 1204-CP—Cadmium Plated

Packed 3 Dozen in a Box with Screws

Size, inches (inside) $2\frac{3}{4} \times \frac{1}{2}$, Overall $4\frac{1}{4}$

Weight Per Dozen, $\frac{3}{4}$ Pound.



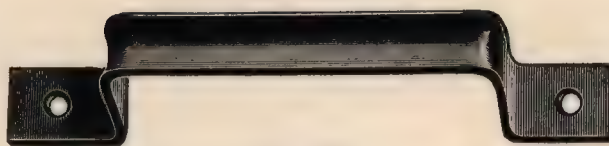
No. 1962

No. 1962—Bright Steel
No. 1962-J—Japanned
No. 1962-CP—Cadmium Plated

Packed 3 Dozen in a Box with Screws

Size, inches (inside) $3\frac{1}{2} \times \frac{5}{8}$, Overall $5\frac{1}{2}$

Weight Per Dozen, 1 Pound.



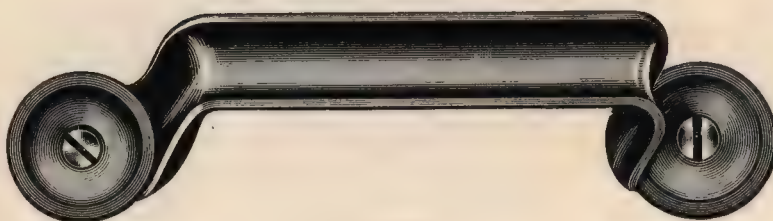
No. 1207

No. 1207—Bright Steel
No. 1207-J—Japanned
No. 1207-CP—Cadmium Plated

Packed 1 Dozen in a Box with Screws

Size, inches (inside) $3\frac{3}{4} \times \frac{7}{8}$, Overall $6\frac{3}{8}$

Weight Per Dozen, 2 Pounds



No. 1208

No. 1208—Bright Steel
No. 1208-J—Japanned
No. 1208-CP—Cadmium Plated

Packed 1 Dozen in a Box with Screws

Size, inches (inside) $4\frac{1}{2} \times 1\frac{1}{8}$, Overall 8

Weight Per Dozen, 3 Pounds.

Wrought Steel Japanned Thumb Latches, Keepers for Padlocks

No. 1930-J—Japanned

No. 1930-CP—Cadmium Plated

*All Sizes Packed 1 in a Box complete with
Screws, Locking Stud and all Parts.*

No. 2—For doors $\frac{5}{8}$ to $1\frac{3}{4}$ inches thick.

No. 3—For doors $\frac{3}{4}$ to $1\frac{7}{8}$ inches thick.

No. 4—For doors 1 to $2\frac{5}{8}$ inches thick.

Size.....	No. 2	No. 3	No. 4
Handle Length Overall, Inches	6 $\frac{3}{4}$	7 $\frac{1}{2}$	8 $\frac{7}{8}$
Latch Bar, Inches.....	$\frac{7}{8}$ x10	1x12	1 $\frac{1}{4}$ x12
Weight Per Dozen, Lbs.	6	9	17 $\frac{1}{2}$



No. 1930

Open and Closed Bar Staples

Wrought Steel Open Bar Staples

No. 1985-J—Japanned

No. 1985-CP—Cadmium Plated

Size (Inches) ..	1 $\frac{1}{4}$	1 $\frac{1}{2}$	2
Thickness, In. . .	$\frac{3}{16}$	$\frac{1}{4}$	$\frac{1}{4}$
Length For Bar	4x1 $\frac{1}{4}$	5x1 $\frac{1}{2}$	6x2
Weight Per Dozen, 18 Pounds.			

*Packed Loose
1 dozen in a box.*



No. 1985

Wrought Steel Closed Bar Staples

No. 1986-J—Japanned

No. 1986-CP—Cadmium Plated

Size (Inches) ..	1 $\frac{1}{4}$	1 $\frac{1}{2}$	2
Thickness, In. . .	$\frac{3}{16}$	$\frac{1}{4}$	$\frac{1}{4}$
Length For Bar	4x1 $\frac{1}{4}$	4x1 $\frac{1}{2}$	4x2
Weight Per Dozen, 21 Pounds.			

*Packed Loose
1 dozen in a box.*



No. 1986

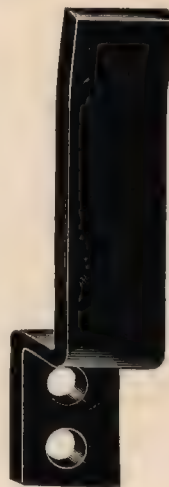
Wrought Steel Open Bar Staples

No. 1959-J—Japanned

No. 1959-CP—Cadmium Plated

Size	1 $\frac{1}{2}$
Width, Inches	1 $\frac{1}{2}$
Thickness, Inches	$\frac{1}{4}$
Length, Inches	7 $\frac{1}{2}$
Offset, Inches	2
Weight Per Dozen, 10 Pounds.	

*Packed Loose
1 dozen in a box.*



No. 1959

Wrought Steel Closed Bar Staples

No. 1957-J—Japanned

No. 1957-CP—Cadmium Plated

Size	1 $\frac{1}{2}$
Width, Inches	1 $\frac{1}{2}$
Thickness, Inches	$\frac{3}{8}$
Length, Inches	7
Inside, Inches	2x4 $\frac{3}{8}$
Weight Per Dozen, 10 Pounds.	

*Packed Loose
1 dozen in a box.*



No. 1957

Wrought Steel Mending Plates, Corner Irons and Braces



No. 1994

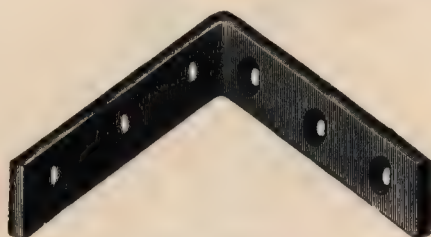
Special Shapes Made to Order

No. 1994—Bright Steel

No. 1994-CP—Cadmium Plated

Packed without screws—2 Dozen in a Box.

Size, Length, (Inches)	2	2½	3	3½	4	5	6	8	10	12
Width	5/8	5/8	3/4	3/4	7/8	1	1 1/8	1 1/4	1 1/4	1 1/4
Screw Holes	2	2	4	4	4	4	4	4	6	6
Size of Screw	3/4x7	3/4x7	3/4x7	3/4x8	3/4x8	3/4x8	3/4x9	1x10	1x10	1x10
Weight Per Gross, Pounds..	4	5½	8	10	12½	21	31½	49	92	106



No. 1997

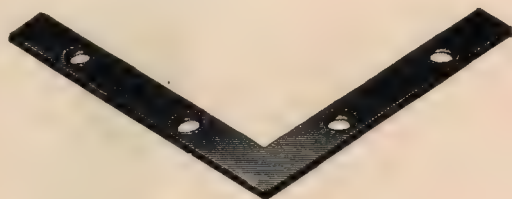
Wrought Steel Corner Braces

No. 1997—Bright Steel

No. 1997-CP—Cadmium Plated

Packed without screws—2 Dozen in a Box.

Size, (Inches)										
Length each leg	1	1½	2	2½	3	3½	4	5	6	8
Width	1/2	1/2	5/8	5/8	3/4	3/4	7/8	1	1 1/8	1 1/8
Screw Holes	2	4	4	4	4	4	4	6	6	8
Size Screws	3/4x6	3/4x6	3/4x8	3/4x8	3/4x9	3/4x9	3/4x10	1 1/4x11	1 1/4x12	1 1/4x12
Wgt. Per Gr., Lbs.	3 1/4	5	9 3/4	13 3/4	22	29 1/4	43 1/2	67	104	152



No. 1998

Wrought Steel Flat Corner Irons

No. 1998—Bright Steel

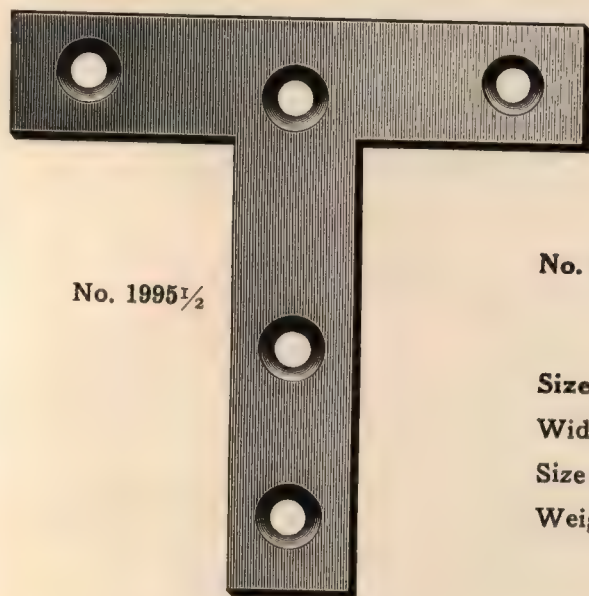
No. 1998-CP—Cadmium Plated

Packed without screws—2 Dozen in a Box.

Size Length of each Leg and Width

(Inches)	1 1/2x3/8	2x3/8	2 1/2x3/8	2 1/2x1/2	3x1/2	3x5/8	3 1/2x1/2	3 1/2x5/8	3 1/2x3/4	4x5/8	4x3/4	4x7/8	5x7/8	5x1	6x7/8	6x1	8x1 1/2
Screw Holes	4	4	4	4	4	4	4	4	4	4	4	4	4	4	6	6	6
Size Screws	5/8x5	5/8x5	5/8x5	3/4x6	3/4x6	3/4x8	3/4x8	3/4x8	3/4x8	3/4x8	3/4x8	3/4x9	3/4x9	3/4x9	3/4x9	3/4x9	3/4x9
Wgt. Per Gr., Lbs.	2 5/8	3 1/2	4 5/8	6	8	10	9	13	14 1/4	14	16 3/4	18 3/4	24	27	35	37 1/2	84

Wrought Steel T Plates and Corner Irons

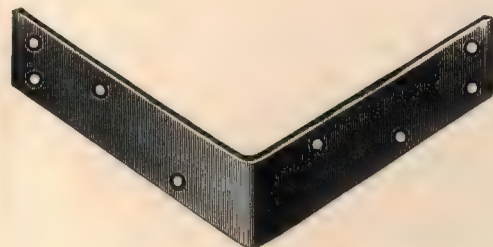
No. 1995 $\frac{1}{2}$

Wrought Steel T Plates

No. 1995 $\frac{1}{2}$ —Bright SteelNo. 1995 $\frac{1}{2}$ -CP—Cadmium Plated*Packed without screws—2 Dozen in a Box.*

Size Each Leg (Inches)	3x3	4x4	5x5	6x6
Width, Inches	$\frac{5}{8}$	$\frac{3}{4}$	1	$1\frac{1}{8}$
Size of Screws	$\frac{3}{4}$ x8	$\frac{3}{4}$ x8	$\frac{3}{4}$ x9	$\frac{3}{4}$ x9
Weight Per Dozen, Pounds	$\frac{7}{8}$	$1\frac{1}{2}$	$2\frac{1}{2}$	$5\frac{1}{2}$

Wrought Steel Corner Irons



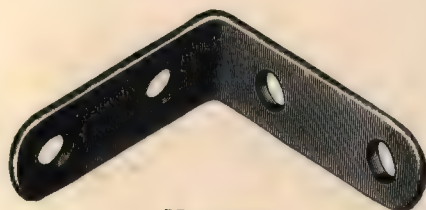
No. 1995

No. 1995—Bright Steel

No. 1995-CP—Cadmium Plated

Packed without screws—2 Dozen in a Box.

Size, Width, (Inches)	$\frac{3}{4}$	$\frac{7}{8}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$
Length Each Side	$4\frac{1}{2}$	$4\frac{1}{2}$	$4\frac{1}{2}$	$4\frac{1}{2}$	$4\frac{1}{2}$
Size and Number, Screw Holes	4- $\frac{3}{4}$ x9	4- $\frac{3}{4}$ x9	4- $\frac{3}{4}$ x9	8- $\frac{3}{4}$ x9	8- $\frac{3}{4}$ x9
Weight Per Gross, Pounds	23	27	31	37	$44\frac{1}{2}$



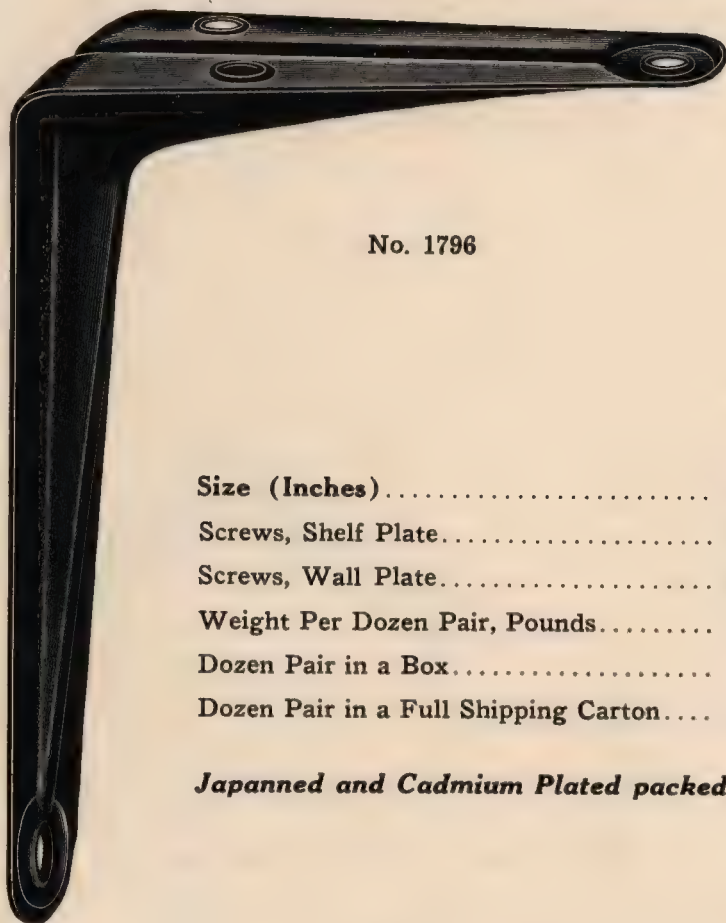
No. 1996

No. 1996-B—Steel Bright Brass Plate

Packed without screws—2 Dozen in a Box.

Size, Length (Inches)	$\frac{3}{4}$	1	$1\frac{1}{2}$	2	$2\frac{1}{2}$	3
Width	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	....
Width	....	$\frac{3}{4}$	$\frac{3}{4}$	$\frac{3}{4}$	$\frac{3}{4}$	$\frac{3}{4}$
Screw Holes	2	2	4	4	4	4
Size of Screw	$\frac{3}{4}$ x6	$\frac{3}{4}$ x6	$\frac{3}{4}$ x6	$\frac{3}{4}$ x8	$\frac{3}{4}$ x8	$\frac{3}{4}$ x9

Wrought Steel Shelf Bracket



No. 1796

No. 1796-J—Japanned

No. 1796-CP—Cadmium Plated

No. 1796—Plated

This bracket is made of one piece of steel that is formed in such a way that the bracket is very strong.

Size (Inches).....	3x4	4x5	5x6	5x7	6x8	7x9	8x10	10x12	12x14
Screws, Shelf Plate.....	$\frac{3}{4} \times 6$	$\frac{3}{4} \times 6$	$\frac{3}{4} \times 6$	$\frac{3}{4} \times 6$	$\frac{3}{4} \times 6$	$\frac{3}{4} \times 7$	$\frac{3}{4} \times 7$	$\frac{3}{4} \times 7$	$\frac{3}{4} \times 8$
Screws, Wall Plate.....	$\frac{3}{4} \times 6$	$1\frac{1}{4} \times 6$	$1\frac{1}{4} \times 6$	$1\frac{1}{4} \times 6$	$1\frac{1}{4} \times 6$	$1\frac{1}{4} \times 7$	$1\frac{1}{4} \times 7$	$1\frac{1}{4} \times 7$	$1\frac{1}{4} \times 8$
Weight Per Dozen Pair, Pounds.....	3½	5¾	8	11½	12	13½	14	19	25
Dozen Pair in a Box.....	1	1	½	½	½	½	¼	¼	¼
Dozen Pair in a Full Shipping Carton....	12	6	6	6	6	6	3	3	2

Japanned and Cadmium Plated packed without screws. Plated Finishes packed with screws.

Wrought Steel Foot Scrapers



No. 3018

No. 3018-J—Japanned

No. 3018-CP—Cadmium Plated

Size, Height (Inches).....	2½	4¼
Width, Inches	6	6
Number Dozen in a Box.....	1	1
Weight Per Dozen, Pounds.....	5	12

Packed without screws. Can be used for wood or concrete.

Wrought Steel Stake Pockets



No. 1989

No. 1989

Size.....	A	B	C
Length Overall, Inches	7½	7¼	7
Inside Measurement, In. 3½x1½		3x1½	2½x1½
Size of Iron.....	2½x⅛	2½x⅛	2½x⅛
Size of Holes.....	For ⅜ bolt	For ⅜ bolt	For ⅜ bolt
Weight Per 100 Pieces, Pounds.....	102	100	90

Packed in Bulk.

Full barrel contains 400.



No. 1947

No. 1947

Size.....	A	B	C
Length Overall, Inches	6	6	6
Inside Measurement, In. 3x1½		3x1¾	3x2
Size of Iron.....	2½x⅛	3x⅛	3x⅛
Size of Holes, Square....	For ⅜ bolt	For ⅜ bolt	For ⅜ bolt
Weight Per 100 Pieces, Pounds.....	70	80	83

Packed in Bulk.

Full barrel Size A contains 500.

Full barrel Sizes B and C contains 450.

Wrought Steel Wagon Bow Staples To Clinch



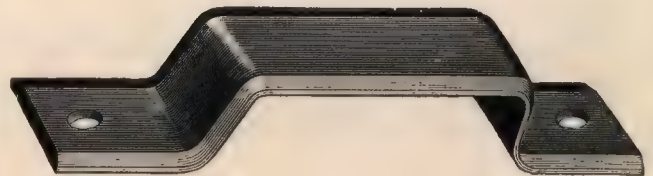
No. 1987

Inside Measurement

Size (Inches).....	1½	1¾	2	2¼	2½
Paper Box Contains.....	100	100	100	100	100
Weight Per 100 Pieces, Lbs.	5	5¼	5½	6	6¼

All for ⅝ inch thick bow.

Wrought Steel Wagon Bow Staples To Rivet



No. 1988

Inside Measurement

Size (Inches).....	1½	1¾	2	2¼	2½
Paper Box Contains.....	100	100	100	50	50
Weight Per 100 Pieces, Lbs.	6½	7	8	15	16

Wrought Steel Bed Hooks

Cold Rolled Steel Bright



No. 29

No. 29

A Set Consists of:

4 Hooks 8 Post Pins $1\frac{1}{4}$ inches 4 Rail Pins $\frac{5}{8}$ inch.

Any Length of Pin on order—No. 29

Size No. $4\frac{1}{2}$ Weight Per 100 Sets, 98 Pounds.

Size No. 5 Weight Per 100 Sets, 108 Pounds.

Packed in Bulk.

Wrought Steel Bed Spring Holders

Wrought Steel Plain



No. 26

No. 26

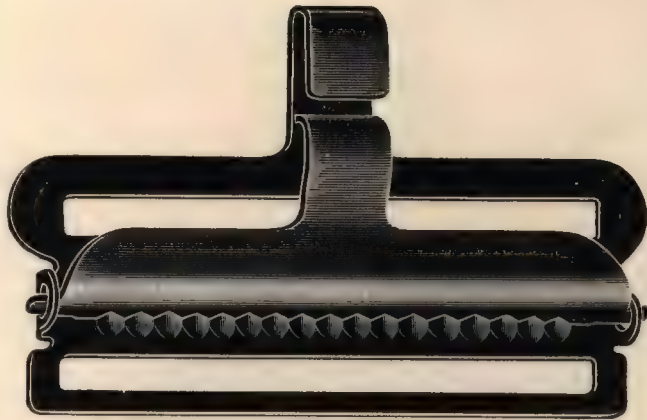
Size, Length of each Leg (Inches)....	$2\frac{3}{4} \times 3$	$3 \times 3\frac{1}{2}$	$3\frac{1}{2} \times 3\frac{1}{2}$
Thickness, Inch	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{4}$
Screw Holes	2	3	3
Size of Screws.....	No. 14	No. 14	No. 14
Weight Per 1000.....	485 lbs.	550 lbs.	580 lbs.

Screw Holes are always in long arm.

Packed in Bulk.

Wrought Steel Braces

Wrought Steel Back Band Hooks



No. 30

No. 30-J—Japanned

No. 30-CP—Cadmium Plated

Size of Hook is determined by the width of web to be used.

Size (Inches).....	4	5
Weight Per Gross Pair, Pounds.....	118	142
Gross Pair in a Barrel.....	2	1½

Packed in Bulk.



No. 31

No. 31-J—Japanned

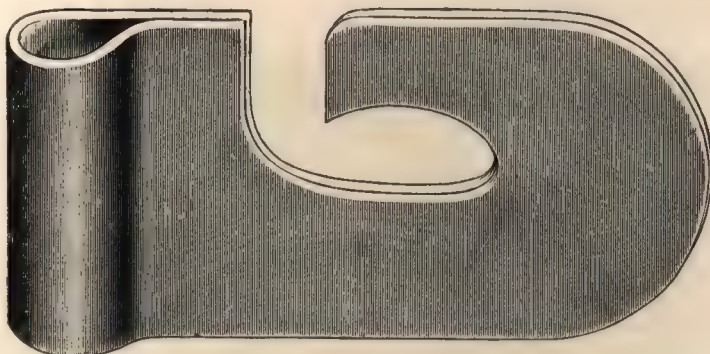
No. 31-CP—Cadmium Plated

Size of Hook is determined by the width of web to be used

Size (Inches).....	4	5
Weight Per Gross Pair, Pounds.....	85	100
Gross Pair in a Barrel.....	4	3½

Packed in Bulk.

Wrought Steel Double Hame Hook



No. 2000

No. 2000—Plain Steel

Half Rights—Half Lefts

Weight Per Dozen Pair, 9 Pounds.

Packed 1 Dozen Pair in a Box.

25 Dozen Pair in a Full Case.

Star Anchors

With Riveted Angle Shank



No. 2005—Plain Steel
Star, Cast Iron
Shank, Wrought Steel

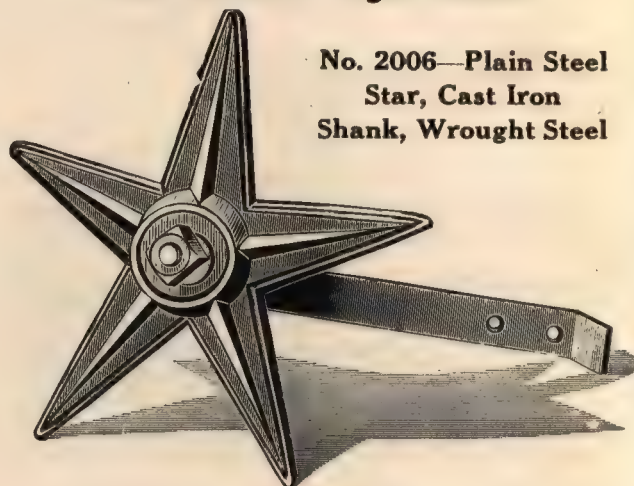
No. 2005

Packed In Bulk

Size 9 Inches for 9 inch Wall
Size 13 inches for 13 inch Wall

Star Anchors

With Nutted Angle Shank



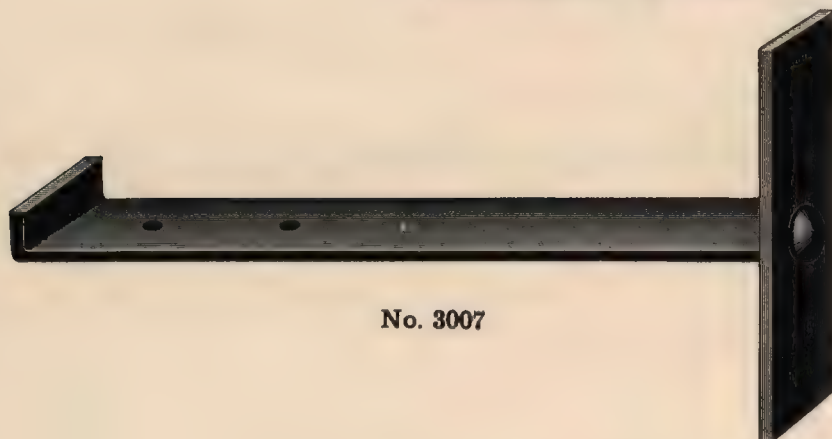
No. 2006—Plain Steel
Star, Cast Iron
Shank, Wrought Steel

No. 2006

Packed In Bulk

Size 9 Inches for 9 inch Wall
Size 13 inches for 13 inch Wall

Wrought Steel T Anchors



No. 3007

No. 3007

Plain Steel

For 9 inch Wall

Size Anchor (Inches).....	9
Weight Per 100, Pounds.....	200
Number in Full Barrel.....	100

For 13 inch Wall

Size Anchor (Inches).....	13
Weight Per 100, Pounds.....	225
Number in Full Barrel.....	100

Packed in Bulk.

Wrought Steel Anchor Plates

No. 3017

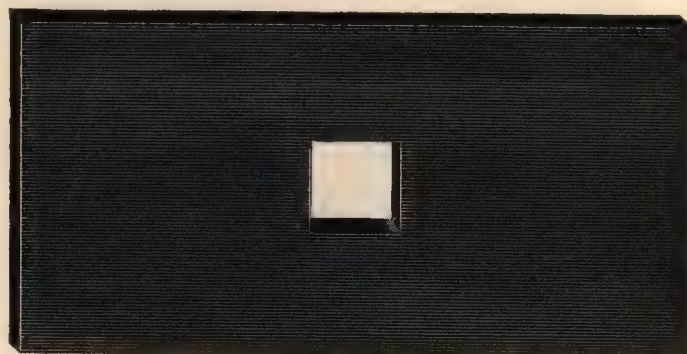
Plain Steel

Size (Inches) 2½ wide x 5 long x ⅜ thick

Hole ½ Inch Square.

Weight Per Dozen, 8 Pounds.

Packed In Bulk.

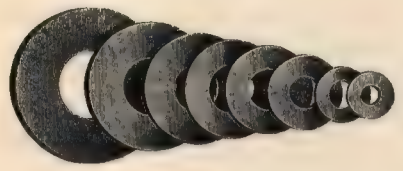


No. 3017

Wrought Steel Washers

Standard List

Adopted by Manufacturers
July 15th, 1935



No. 1978

Estimated Number in 100 Pounds	Outside Diameter	Size of Hole	Thickness Wire Gauge	Size of Bolt	In 200-pound net Kegs Price Per 100 Lbs.
36,200	$\frac{9}{16}$	$\frac{1}{4}$	No. 18 (3/64)	$\frac{3}{16}$	\$ 14.00
14,900	$\frac{3}{4}$	$\frac{5}{16}$	No. 16 (1/16)	$\frac{1}{4}$	12.20
11,100	$\frac{7}{8}$	$\frac{3}{8}$	No. 16 (1/16)	$\frac{5}{16}$	11.40
6,700	1	$\frac{7}{16}$	No. 14 (5/64)	$\frac{3}{8}$	10.50
4,100	$1\frac{1}{4}$	$\frac{1}{2}$	No. 14 (5/64)	$\frac{7}{16}$	9.80
2,600	$1\frac{3}{8}$	$\frac{9}{16}$	No. 12 (7/64)	$\frac{1}{2}$	9.40
2,200	$1\frac{1}{2}$	$\frac{5}{8}$	No. 12 (7/64)	$\frac{9}{16}$	9.30
1,300	$1\frac{3}{4}$	$\frac{11}{16}$	No. 10 (1/8)	$\frac{5}{8}$	9.30
910	2	$\frac{13}{16}$	No. 9 (5/32)	$\frac{3}{4}$	9.20
652	$2\frac{1}{4}$	$\frac{15}{16}$	No. 8 (11/64)	$\frac{7}{8}$	9.20
532	$2\frac{1}{2}$	$1\frac{1}{16}$	No. 8 (11/64)	1	9.20
454	$2\frac{3}{4}$	$1\frac{1}{4}$	No. 8 (11/64)	$1\frac{1}{8}$	9.20
384	3	$1\frac{3}{8}$	No. 8 (11/64)	$1\frac{1}{4}$	9.20
300	$3\frac{1}{4}$	$1\frac{1}{2}$	No. 7 (3/16)	$1\frac{3}{8}$	9.20
260	$3\frac{1}{2}$	$1\frac{5}{8}$	No. 7 (3/16)	$1\frac{1}{2}$	9.20
227	$3\frac{3}{4}$	$1\frac{3}{4}$	No. 7 (3/16)	$1\frac{5}{8}$	9.50
200	4	$1\frac{7}{8}$	No. 7 (3/16)	$1\frac{3}{4}$	9.50
178	$4\frac{1}{4}$	2	No. 7 (3/16)	$1\frac{7}{8}$	9.50
159	$4\frac{1}{2}$	$2\frac{1}{8}$	No. 7 (3/16)	2	9.50
121	$4\frac{3}{4}$	$2\frac{3}{8}$	No. 5 (7/32)	$2\frac{1}{4}$	10.50
104	5	$2\frac{5}{8}$	No. 4 (15/64)	$2\frac{1}{2}$	10.50
91	$5\frac{1}{4}$	$2\frac{7}{8}$	No. 3 (1/4)	$2\frac{3}{4}$	11.50
77	$5\frac{1}{2}$	$3\frac{1}{8}$	No. 2 (9/32)	3	12.50

Add to list prices for

100 lb. Kegs.....\$.25 per cwt.	5 lb. Boxes.....\$1.25 per cwt.
50 lb. Kegs......50 per cwt.	1 lb. Boxes..... 2.00 per cwt.
25 lb. Kegs..... 1.00 per cwt.	

5 lb. boxed Washers are packed 80 lbs. to a shipping carton.

Wrought Steel Riveting Burrs



No. 1979

Size, For Size Rivets (Inches)..... $\frac{1}{8}$ (No. 11)	$\frac{3}{16}$	$\frac{1}{4}$	$\frac{5}{16}$	$\frac{3}{8}$
Outside Diameter—Inches..... $\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{5}{8}$	$\frac{3}{4}$
Size of Hole..... $\frac{9}{64}$	$\frac{13}{64}$	$\frac{17}{64}$	$\frac{21}{64}$	$\frac{25}{64}$
Thickness—Gauge.....18	18	18	17	16
Number Per Pound.....740	436	368	273	169
Price Per 100 Pounds in 200 Pound Kegs... \$20.75	\$18.00	\$16.35	\$16.35	\$16.35

Add to list prices for

100 lb. Kegs.....\$.25 per cwt.	5 lb. Boxes.....\$1.25 per cwt.
50 lb. Kegs......50 per cwt.	1 lb. Boxes..... 2.00 per cwt.
25 lb. Kegs..... 1.00 per cwt.	

1 lb. boxed Burrs are packed 50 lbs. to a shipping carton.
5 lb. boxed Burrs are packed 80 lbs. to a shipping carton.

Wrought Steel Square Washers



No. 1982

All Sizes
 $1\frac{1}{2}$ to 6 inches Square
Thickness $\frac{1}{8}$ to $\frac{3}{8}$ inch
Size Bolt $\frac{3}{8}$ to $1\frac{1}{2}$ inch

Packed in Bulk

Wrought Steel Carriage Bolt Washers



No. 2001

Size of Bolt (Inches)..... $\frac{3}{16}$	$\frac{1}{4}$	$\frac{5}{16}$	$\frac{3}{8}$	$\frac{7}{16}$	$\frac{1}{2}$	$\frac{5}{8}$
Thickness, Inches—GAUGE Nos. 20	18	18	16	16	16	16

